Introducing the Si473x AM/FM Receiver Family

January, 2007

Silicon Laboratories Broadcast Portfolio

- AM/FM Radio Receivers and FM Transmitters
  - High-performance broadcast radio components
- Satellite Receivers
  - RF front-end for direct broadcast satellite (DBS)
- XM Satellite Tuners
  - Programmable satellite radio tuners

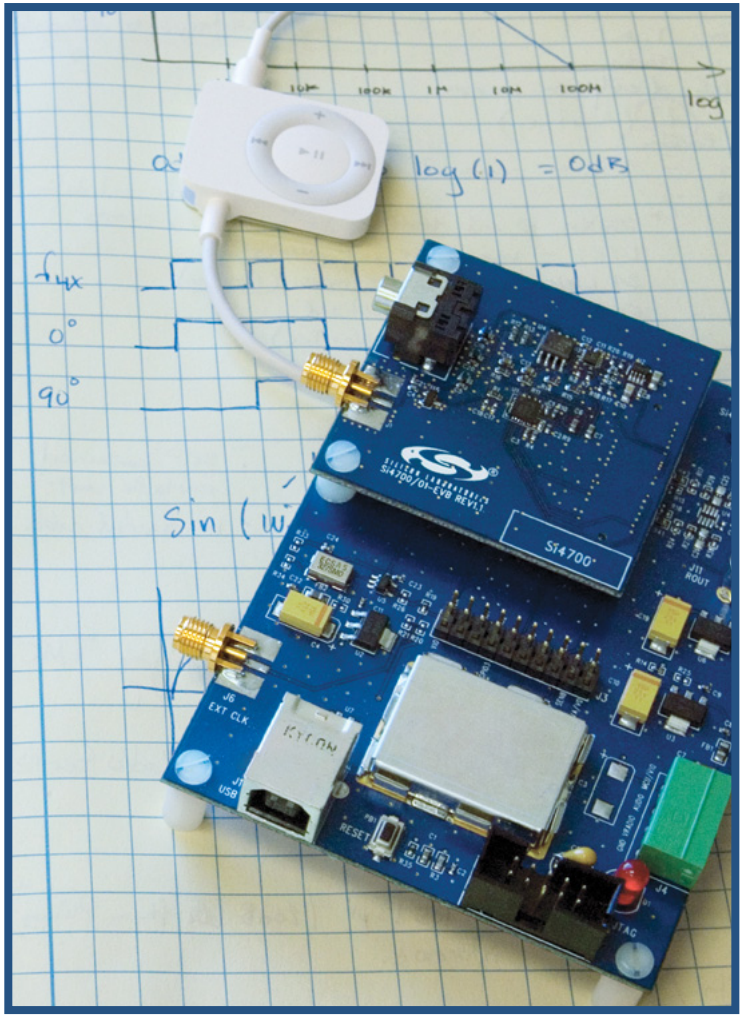
Applications:

Handsets
Portable Audio Devices
Digital Satellite TV
XM Satellite Radio

SILICON LABS

Broadcast Core Competency

- Pioneered the development of high-performance RF in CMOS
- Use CMOS to enable architecture development that combines digital signal processing and RF in a single chip
- Results in unmatched integration, performance and lowest total cost of ownership



SILICON LABS

AM/FM Radio Opportunities

The Available Broadcast Radio Market is Over 1 Billion Units

Traditional AM/FM opportunities:

Home Theatre

MP3 Docking Station

Clock Radio

Boom Box

Car Stereo

New AM/FM opportunities:

Portable Audio Devices

Mobile Handsets

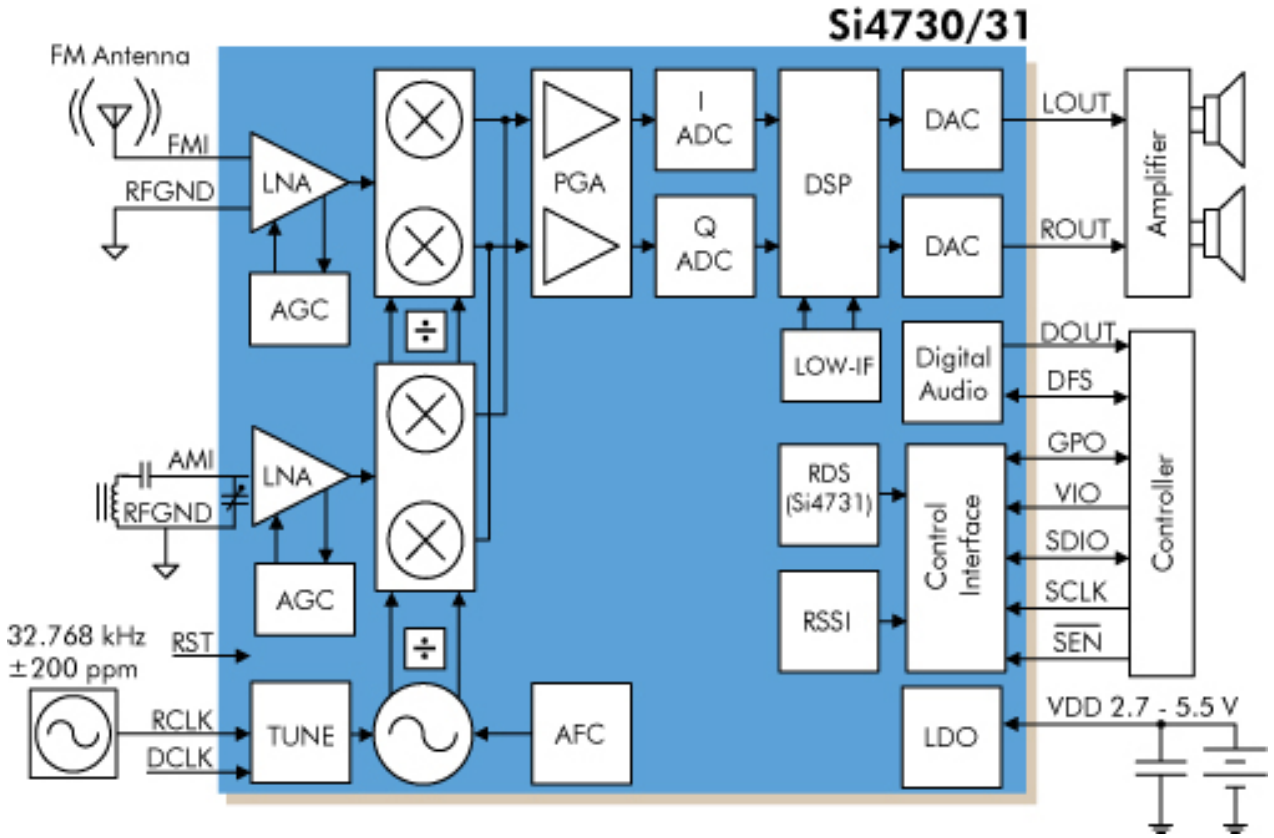
SILICON LABS

Introducing the Si473x AM/FM Receiver

- Patented, proven digital architecture simplifies radio design
- Improved audio experience, features and adjustability
- Ultra-small, enabling technology for AM in portable devices
- World's first single chip AM/FM + RDS solution

SILICON LABS

Si473x—Digital Architecture Advantages



- Only fully integrated AM/FM radio receiver
- Disruptive technology with only two external components
- Enables integration of AM/FM radio into portable devices

SILICON LABS

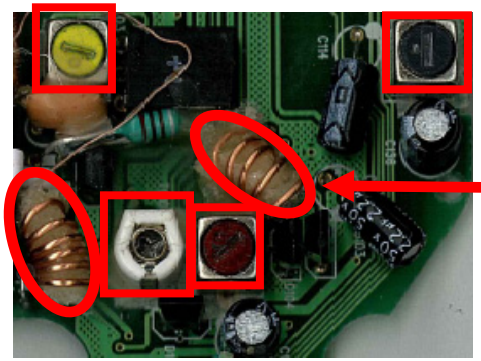
Si473x—No Factory Tuning Required

Traditional Solutions

- Require hand tuned components to adjust for antenna variance
- Increases production time and manufacturing cost
- Higher fallout rate and variability

Silicon Laboratories Solution

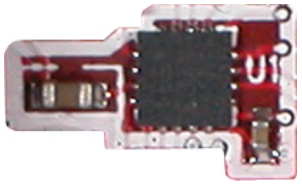
- Eliminates factory alignment
- Low BOM count with standard production flow
- Highly accurate digital tuning



Manually tuned Inductor

Hand spread and waxed

Traditional Solution



No factory alignment

Silicon Labs Si4730

SILICON LABS

Si473x—Flexible Antenna Support

- The Si473x accepts a wide range of antennas
- High performance enables new miniature AM ferrite antennas for portable applications

FM headphone antenna

FM monopole antenna

FM stub antenna

AM loop antenna

Standard AM ferrite loop stick

Miniature AM ferrite loop stick

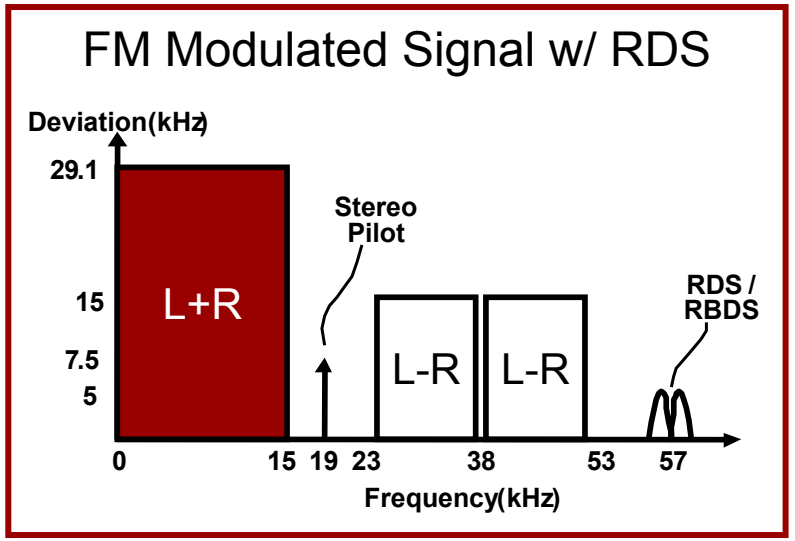
SILICON LABS

Si4731—First AM/FM + RDS IC Solution

- Si473x is the only solution in the world to support AM, FM and RDS in a single IC
  - The European Radio Data System (RDS) and the U.S. Radio Broadcast Data System (RBDS) displays artist, song title, and other information

R·D·S
RADIO DATA SYSTEM

- RDS market adoption increasing
  - AM/FM with RDS equals MP3 experience
  - Standard in car radios



- Silicon Laboratories RDS devices shipping worldwide

SILICON LABS

Si473x—Summary

- Patented, proven digital architecture simplifies radio design and improves user experience
- Enabling technology for AM in portable devices
- Only AM/FM solution to offer RDS/RBDS support

SILICON LABS

www.silabs.com/broadcast