

## Overview

The Abilis DVB-Titan USB Sticks are small form factor, low cost, USB DVB-T receiver reference designs specifically targeted at PCTV and Set-Top-Boxes accessory applications. Based on the CSP version of the highly integrated AS-102 receiver, our reference designs enable our partners to build the world's smallest DVB-T USB stick.

Our ready-to-manufacture system solutions allow manufacturers to significantly improve time-to-market and lower development costs when responding to new market opportunities in media convergence.



Fig 1: Abilis reference design ( left ) and OEM products

## Applications

- Laptops and notebooks
- Ultra Mobile PC, Mobile Internet Devices
- STB or IPTV boxes

## Benefits

- **Ultra small designs** that enable the design of the world's smallest USB sticks ( as small as 35mm x 12 mm , including connectors ).
- **Excellent RF performance** with mobility for watching digital TV at any location. AS-RD02C sensitivity performance<sup>1</sup>:
  - QPSK(CR=1/2) -99 dB
  - 16QAM(CR=3/4) -91 dB
  - 64QAM(CR=2/3) -86 dB
- **Ultra low power consumption**
  - Operational mode < 900 mW
- **Significantly improved time-to-market** with ready-to-manufacture PCBA design.
  - Schematics, Gerber files, BOM
  - Software drivers

<sup>1</sup> AS-RD02C performance measured at 8K, GI=1/4, 8MHz, CH45=666MHz

## Features

- Highly integrated USB stick for PCTV
  - On-board InfraRed detector
  - On-board EEPROM
  - On-board LED
- Extensive standard compliance
  - Nordig 2.0 and D-book V5
- Certified USB drivers
  - Windows XP / Vista / 7
  - Linux (from Kernel 2.6.20)
- Application player support
  - Windows Media Center
  - ArcSoft TotalMedia
  - Other players on request
- Comprehensive support suite
  - GUI for performance evaluation
  - Performance and test reports

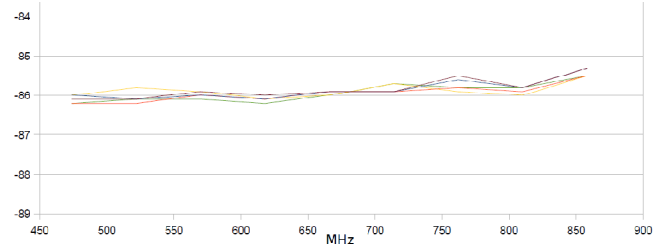


Fig 2: Performance report