

May 4, 2010



MaxLinear Partners with Cocom to Deliver DVB-T2 Certified Freeview HD Set-Top Box

MaxLinear's MxL5007T Digital Terrestrial RF Receiver Passes DVB-T2 Certification by UK's DTG Labs

CARLSBAD, Calif.--(BUSINESS WIRE)-- MaxLinear Inc., a [leading provider of integrated radio frequency \(RF\) and mixed-signal integrated circuits](#) for broadband communication applications, today announced its MxL5007T global digital terrestrial TV RF receiver IC has passed DVB-T2 certification in the UK as part of a set-top box (STB) designed by [Cocom Consumer Electronics](#).

The Cocom dual-channel DVB-T2 STB design is the first on the UK market to support simultaneous viewing and recording of over-the-air Freeview HD channels. The STB is both a television receiver and a media streamer that is capable of playing DivX, XviD, MP3 and JPEG files stored remotely. The receiver features an easy set up process, fast channel scanning and video display resolutions up to 1080p. The STB also has Ethernet and USB 2.0 ports for connectivity with home networks and external storage devices.

MxL5007T is one of the first RF receivers to pass the DVB-T2 certification tests conducted by DTG Testing Ltd, the compliance testing body set up by UK industry association Digital TV Group. DVB-T2 is the next generation of the DVB-T terrestrial TV signal format, which includes numerous technological advancements and increases the available channel capacity by approximately 67 percent. The United Kingdom has already started broadcasting three high definition TV channels that reach 50 percent of the population. Many other countries throughout Europe are in field trials and will debut free-to-view DVB-T2 services in the coming months.

"DVB-T2 will usher in a brand new wave of multichannel HDTV services throughout Europe, and with this certification MaxLinear is at the forefront of that wave," said Kishore Seendripu, MaxLinear CEO. "The MxL5007T RF receiver is a field-proven solution, already shipping in high volume, that enables terrestrial STB and DTV manufacturers to support this new HD standard."

The [MxL5007T](#) is a low-cost silicon RF receiver for digital televisions and set top boxes. The device will receive an input signal spanning a continuous frequency band from 44MHz to 860MHz from a 75-ohm antenna or cable. The MxL5007T has an integrated low noise amplifier (LNA), on-chip tracking & PLL loop filters, automatic gain control, LO generation, and channel selectivity functions to simplify board design and minimize the bill-of-materials (BOM).

MxL5007T is the "greenest" terrestrial RF receiver device on the market, consuming about

300mW of power. Additionally, the MxL5007T has a flexible output intermediate frequency (IF) ranging from 4 to 44 MHz to support many demodulators including several emerging DVB-T2 demods. An integrated on-chip loop through function vastly simplifies STB designs that require an additional RF out, and multi-tuner applications such as PVRs, media servers/gateways, and televisions supporting picture-in-picture. MxL5007T is based on the company's innovative low-power, high-performance digital CMOS technology.

About Cocom Consumer Electronics

Cocom CE is a product design and development consultancy providing electronic design, mechanical engineering and rapid prototyping services. Headquartered just outside of London, Cocom's mission is solving product design problems in highly innovative and financially feasible ways that creates the next generation of powerful Internet-connected devices ready for the consumer electronics 3.0 revolution.

About MaxLinear, Inc.

MaxLinear, Inc. is a leading provider of radio frequency and mixed-signal semiconductor solutions for broadband communication applications. MaxLinear is located in Carlsbad, California, and its address on the Internet is www.maxlinear.com.

MxL and the MaxLinear logo are trademarks of MaxLinear, Inc. Other trademarks appearing herein are the property of their respective owners.

Source: MaxLinear Inc.