































## References

1. *Keith Jack*, Video Demystified, 4<sup>th</sup> Edition, ISBN 0-7506-7822-4, pp 15-19.
2. *Charles Poynton*, Digital Video and HDTV, ISBN 1-55860-792-7, pp 302 – 321.
3. Recommendation ITU-R BT.601-5 standard definition: <http://www.itu.int>.
4. Recommendation ITU-R BT.709-5 standard definition: <http://www.itu.int>.
5. *John G. Proakis, Dimitris G. Manolakis*, Digital Signal Processing (3<sup>rd</sup> edition), ISBN 0-13-373762-4, pp 755-756.
6. *Gary Sullivan*, “Approximate theoretical analysis of RGB to YCbCr to RGB conversion error”, in Joint Video Team (JVT) of ISO/IEC MPEG & ITU-T VCEG (ISO/IEC JTC1/SC29/WG11 and ITU-T SG16 Q.6.)

## Revision History

The following table shows the revision history for this document.

Date	Version	Revision
05/09/06	1.0	Initial Xilinx release.
08/27/07	1.0.1	Changed filename in “ <a href="#">System Generator Testbench</a> ” section (page 13). Updated Copyright notice on page 1. Added new Notice of Disclaimer.

## Notice of Disclaimer

Xilinx is disclosing this Application Note to you “AS-IS” with no warranty of any kind. This Application Note is one possible implementation of this feature, application, or standard, and is subject to change without further notice from Xilinx. You are responsible for obtaining any rights you may require in connection with your use or implementation of this Application Note. XILINX MAKES NO REPRESENTATIONS OR WARRANTIES, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT, OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL XILINX BE LIABLE FOR ANY LOSS OF DATA, LOST PROFITS, OR FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES ARISING FROM YOUR USE OF THIS APPLICATION NOTE.

Not Recommended for New Designs