

MOST

Media Oriented Systems Transport

Multimedia and Control
Networking Technology

**MOST Specification of Physical Layer
Rev 1.1 Addendum B**

10/2005

Version 1.0-00

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See page 3 for the terms of disclosure



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Document References

All documents which this MOST document have references to are listed here with the actual revision this document is referring to.

Number	Document	Revision
[9]	MOST Specification Of Physical Layer	Rev 1.1

Document History

First version 1.0-00

Change Ref.	Section	Changes
-	-	- First version, no changes

1 Introduction

This document is a supplement to the **MOST Specification of Physical Layer, Rev 1.1** [9].
The Contents of this Document will be part of **MOST Specification of Physical Layer, Rev 1.2**.

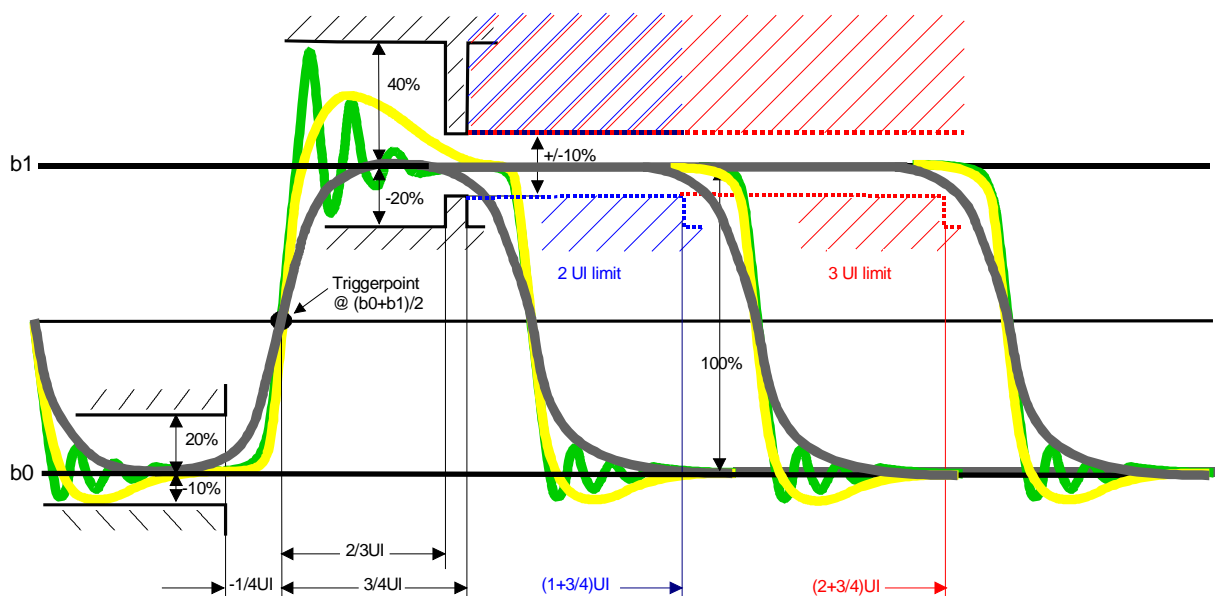
2 Content of Addendum

2.1 Positive Overshoot at Specification Point SP2, SP3

Following change will be implemented to Table 2-2: Signal parameters of Specification Point SP2, and Table 2-3: Signal parameters of Specification Point SP3.

	Symbol	Condition	Min.	Typ.	Max.	Unit
Positive Overshoot within 0UI....2/3UI			-20	-	+40	%
High level signal ripple between 2/3UI and 3/4 UI		10)	-10		+10%	%
Note: 10) This parameter is also valid for 2UI pulses (2/3UI ... (1+ 3/4)UI) as well as for 3UI pulses (2/3UI ... (2+3/4)UI)						

Following additional information will be implemented to Figure 2-10: Schematic of optical pulses at specification point 2.



3 Comment

3.1 Reason for Addendum

Actual products, which are used in series projects since more than 2 years, are showing that it is necessary to select and match LEDs and IC's, leading to a yield loss. To improve the yield in production processes and to enable cost down, it has been decided to widen up the parameter in the Optical Physical Layer Spec V1.1 and its corresponding compliance requirement from 25% up to 40%.

3.2 Technical Issues

3.2.1 Effect to existing Harness, Pigtails and FOT

MOST receivers could be affected by the parameter "positive overshoot", due to possible saturation effects or reference level shifting. Therefore the Addendum B was reviewed by the suppliers of current MOST RX-FOT. They guaranteed that the existing MOST receivers can handle the specified higher positive overshoot over the whole sensitivity range.

4 Appendix A: List of Figures

5 Appendix B: List of Tables

6 Appendix C: INDEX