

MOST

Media Oriented Systems Transport

Multimedia and Control
Networking Technology

**MOST Compliance Test of Physical Layer
ERRATA SHEET**

Rev 1.0-00

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Version 1.0-00

MOSTCO CONFIDENTIAL

See page 3 for the terms of disclosure



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Bibliography

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[11]	MOST Compliance Requirements

Document History

Changes

Change Ref.	Section	Changes
1V0-00		First Issue

1 Introduction

This document is a supplement to the MOST COMPLIANCE TEST of PHYSICAL LAYER, Version 1.0-00 [10].

2 Errata

Legend: → means “will be substituted by”

<p><u>Additional remarks in chapter 2.2 and 2.3:</u></p> <p><u>Central wavelength λ_{c2} (λ_{c3} respectively)</u> Belongs to “Central wavelength λ_{c2}”. To determine “Central wavelength λ_{c2}” first the spectral power $P_i=f(\lambda_i)$ (power as a function of wavelength) of the transmitter has to be measured with an appropriate spectrometer (see chapter 1.2.1). The value “Central wavelength λ_{c2}” has to be calculated with the formula</p> $\lambda_{c2} = \frac{\sum_i P_i \lambda_i}{\sum_i P_i} \quad (i = 500 \text{ nm} \dots 800 \text{ nm}, \Delta i \leq 1 \text{ nm})$ <p>with the measured spectral power P_i.</p> <p><u>Spectral width (RMS) $\sigma_{\lambda 2}$ ($\sigma_{\lambda 3}$ respectively)</u> Belongs to “Spectral width (RMS) $\sigma_{\lambda 2}$”. To determine “Spectral width (RMS) $\sigma_{\lambda 2}$” first the spectral power $P_i=f(\lambda_i)$ (power as a function of wavelength) of the transmitter has to be measured with an appropriate spectrometer (see chapter 1.2.1). The value “Spectral width (RMS) $\sigma_{\lambda 2}$” has to be calculated with the formula</p> $\sigma_{\lambda 2} = \sqrt{\frac{\sum_i P_i (\lambda_i - \lambda_{c2})^2}{\sum_i P_i}} \quad (i = 500 \text{ nm} \dots 800 \text{ nm}, \Delta i \leq 1 \text{ nm})$ <p>with the measured spectral power P_i and the “Central wavelength λ_{c2}” (see chapter 2.2.2 Central wavelength).</p>	<p>GEN 1</p>
<p>Measurement method of spectral width:</p> <ul style="list-style-type: none"> - Measurement of spectral distribution will use start wavelength at 500 nm and end wavelength 800 nm, resolution: ≤ 1 nm. - S/N ratio for the measurement equipment at least 200:1. - The S/N ratio determines the part which is allowed to be cut from the spectrum. 	<p>GEN 2</p>
<p><u>Chapter 1.2.2 Measurement – Adapter SP2:</u></p> <p>Delete sentence “ The accuracy of this measurement setup is at least $\pm 0,3$ dB, independent of the Electro Optical Converter (EOC) version.”</p> <p>Reason: To avoid redundant information as the requirements for resolution are specified in the MOST Compliance Verification Procedure- Physical Layer.</p>	<p>GEN 3</p>

Notes: