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Fibre optic communication subsystem test procedures – Digital systems

Part 2-8: Determination of low BER using Q-factor measurements

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CONTENTS

FOREWORD	4
1 Scope	5
2 Definitions and abbreviated terms	5
2.1 Definitions	5
2.2 Abbreviations	5
3 Measurement of low bit-error ratios	6
3.1 General considerations	6
3.2 Background to Q-factor	7
4 Variable decision threshold method	9
4.1 Overview	9
4.2 Apparatus	12
4.3 Sampling and specimens	12
4.4 Procedure	12
4.5 Calculations and interpretation of results	13
4.6 Test documentation	17
4.7 Specification information	17
5 Variable optical threshold method	17
5.1 Overview	17
5.2 Apparatus	18
5.3 Items under test	18
5.4 Procedure for basic optical link	18
5.5 Procedure for self-contained system	19
5.6 Evaluation of results	20
 Annex A (normative) Calculation of error bound in the value of Q	 22
Annex B (informative) Sinusoidal interference method	24
 Bibliography	 30
 Figure 1 – A sample eye diagram showing patterning effects	 8
Figure 2 – A more accurate measurement technique using a DSO that samples the noise statistics between the eye centres	8
Figure 3 – Bit error ratio as a function of decision threshold level	10
Figure 4 – Plot of Q-factor as a function of threshold voltage	10
Figure 5 – Set-up for the variable decision threshold method	12
Figure 6 – Set-up of initial threshold level (approximately at the centre of the eye)	12
Figure 7 – Effect of optical bias	17
Figure 8 – Set-up for optical link or device test	19
Figure 9 – Set-up for system test	19
Figure 10 – Extrapolation of log BER as function of bias	21
Figure B.1 – Set-up for the sinusoidal interference method by optical injection	25
Figure B.2 – Set-up for the sinusoidal interference method by electrical injection	27
Figure B.3 – BER Result from the sinusoidal interference method (data points and extrapolated line)	28
Figure B.4 – BER versus optical power for three methods	29

Table 1 – Mean time for the accumulation of 15 errors as a function of BER and bit rate 6

Table 2 – BER as function of threshold voltage 14

Table 3 – f_i as a function of D_i 14

Table 4 – Values of linear regression constants 15

Table 5 – Mean and standard deviation 16

Table 6 – Example of optical bias test 20

Table B.1 – Results for sinusoidal injection 26

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC COMMUNICATION SUBSYSTEM TEST PROCEDURES –
DIGITAL SYSTEMS –**
**Part 2-8: Determination of low BER
using Q-factor measurements**

FOREWORD

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The text of this standard is based on the following documents:

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Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2010. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

FIBRE OPTIC COMMUNICATION SUBSYSTEM TEST PROCEDURES – DIGITAL SYSTEMS –

Part 2-8: Determination of low BER using Q-factor measurements

1 Scope

This part of IEC 61280 specifies two main methods for the determination of low BER values by making accelerated measurements. These include the variable decision threshold method (Clause 4) and the variable optical threshold method (Clause 5). In addition, a third method, the sinusoidal interference method, is described in Annex B.