Types and uses of mask files saved in this folder

1. Introduction

This folder contains user-defined file for MP2100A BERTWave/MP2102A BERTWave SS mask tests.

Copying a text file from this folder to the following folder in the MP2100A/MP2102A main frame supports mask files in the User Defined mode.

1-1. Text file saved to:

<C:¥Program Files¥Anritsu¥MP2100A¥MX210000A¥UserData¥Mask>

1-2. Supported specifications

Specification Name	Bit Rate	Standard	File saved in folder
1 Gbit/s Ethernet	1.25 Gbit/s	●	–
1 G Optical Fiber Channel	1.0625 Gbit/s	●	–
2 Gbit/s Ethernet	2.5 Gbit/s	●	–
10 G Base LAN	10.3125 Gbit/s	●	–
10 G Ethernet + FEC	11.10 Gbit/s	●	–
10 G Ethernet LX4	–	–	●
10 G LAN	10.3125 Gbit/s	–	●
10 G LAN/PHY	10.3125 Gbit/s	●	–
10 G WAN	9.953 Gbit/s	●	–
10 x 1 Gbit/s Ethernet	12.5 Gbit/s	–	●
100BASE-BX LX10	100 Mbit/s	–	●
10G Optical Fiber Channel	10.52 Gbit/s	●	–
10G Optical Fiber Channel + FEC	11.3 Gbit/s	●	–
2G Optical Fiber Channel	2.125 Gbit/s	●	–
4G Optical Fiber Channel	4.25 Gbit/s	●	–
8G Optical Fiber Channel	8.5 Gbit/s	●	–
8G Optical Fiber Channel Electrical Rx	8.5 Gbit/s	●	–
8G Optical Fiber Channel Electrical Tx	8.5 Gbit/s	●	–
HDMI	–	–	●
InfiniBand	–	–	●
OC-12/STM-4	622.08 Mbit/s	–	●

OC-192/STM-64	9.953 Gbit/s	●	–
OC-192/STM-64 ITU-T G.709 FEC	10.709 Gbit/s	–	●
OC-192/STM-64 ITU-T G.975 FEC	10.664 Gbit/s	●	–
OC-24/STM-8	1.244 Gbit/s	–	●
OC-3/STM-1	155.52 Mbit/s	–	●
OC-48/STM-16	2.488 Gbit/s	●	–
OC-48/STM-16 ITU-T G.709 FEC	2.666 Gbit/s	–	●
OTU-1	2.666057 Gbit/s	●	–
OTU-2 1310 nm	10.709 Gbit/s	●	–
OTU-2 1550 nm	10.709 Gbit/s	●	–
OTU-2 1550 nm Expanded	10.709 Gbit/s	●	–
OTU-2 Amplified	10.709 Gbit/s	●	–
SATA 250 Cycle	1.5 Gbit/s	–	●
SATA 5 Cycle	1.5 Gbit/s	–	●
XAUI Extender	–	–	●

1-3. Mask file type

File	Bit Rate	Supported standard	Note
10G_Base_LAM.txt	10.3125 Gbit/s	10 Gbit/s Ethernet	Mask file for 10G Base LAN
10G_LAN.txt	10.3125 Gbit/s	10 Gbit/s Ethernet	Mask file for 10G Base R
10GE-LX4.txt	–	10 Gbit/s Ethernet	Mask file for 10G Base LX4
10xGE.txt	12.5 Gbit/s	10 x 1 Gbit/s Ethernet	Mask file for 1 Gbit Ethernet x 10
100BASE-BX_ LX10.txt	100 Mbit/s	100BASE-BX LX10	
HDMI_TP1.txt	–	HDMI	Mask file for HDMI transmission
HDMI_TP2.txt	–	HDMI	Mask file for HDMI receiving
InfiniBand.txt	–	InfiniBand	
OC3_STM1.txt	155.52 Mbit/s	OC-3/STM-1	

OC12_STM4.txt	622.08 Mbit/s	OC-12/STM-4	
OC24_STM8.txt	1.244 Gbit/s	OC-24/STM-8	
OC48_STM16+FEC (G.709).txt	2.666 Gbit/s	OC-48/STM-16 ITU-T G.709 FEC	
OC192_STM64 + FEC (G.709).txt	10.709 Gbit/s	OC-192/STM-64 ITU-T G.709 FEC	Pre-installed ITU-T G.975 FEC mask
SATA 1.5 Gb TX 5 Cyc.txt	1.5 Gbit/s	SATA 5 Cycle	
SATA 1.5 Gb TX 250 Cyc.txt	1.5 Gbit/s	SATA 250 Cycle	
XAUI-E Far.txt	–	XAUI Extender	Mask file for XAUI Extender Far
XAUI-E Near.txt	–	XAUI Extender	Mask file for XAUI Extender Near

2. Procedure for Setting User Mask Pattern

Step 1: Select EYE/Pulse Scope (Figure 1 [1]).

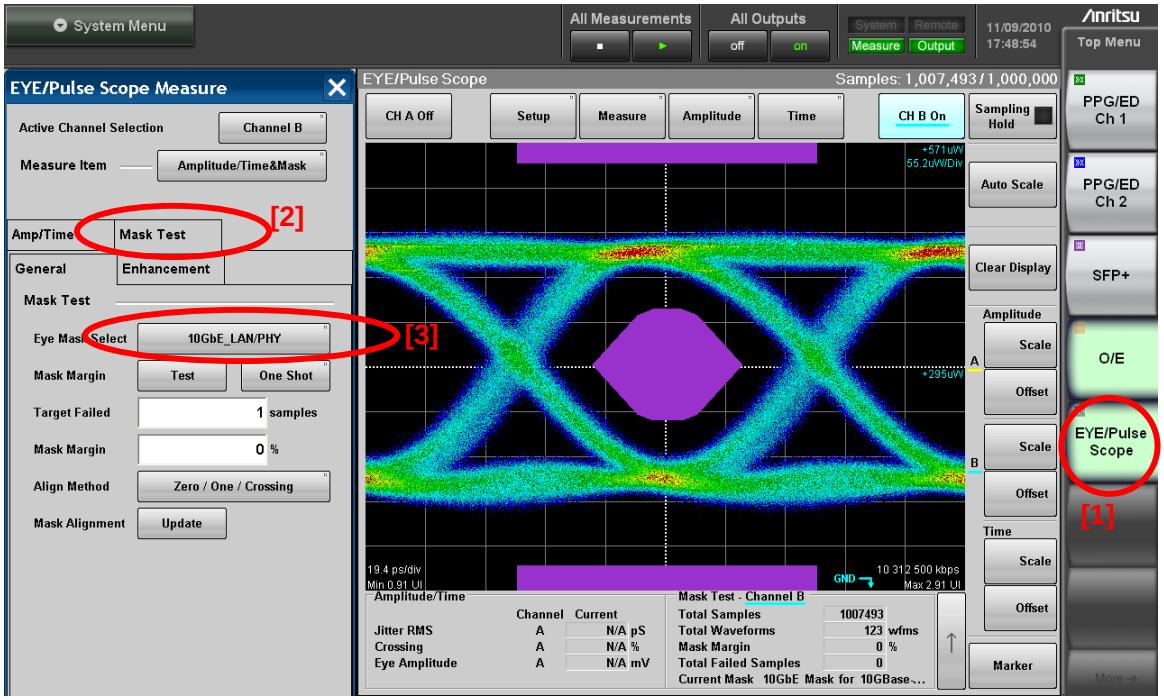


Figure 1

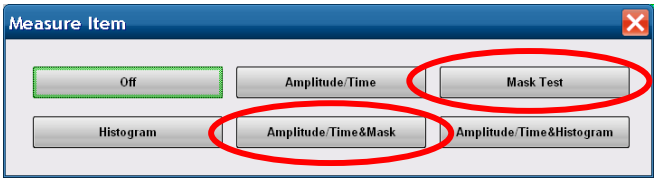


Figure 2

Step 2: Set Mask File.

<Measure Item>

Select Amplitude/Time & Mask Test or Mask Test (Figure 2).

Select Mask Test (Figure 1 [2]).

<Mask Test>

<Eye Mask Selected> (Figure 1 [3])

Select User Define (Figure 1 [3]).

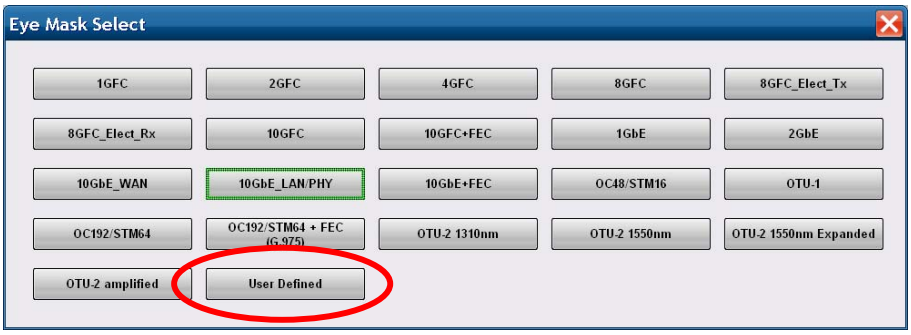


Figure 3

Select the measurement target mask from the pop-up window (Figure 4) and click [Ok] to set as mask (Figure 5).

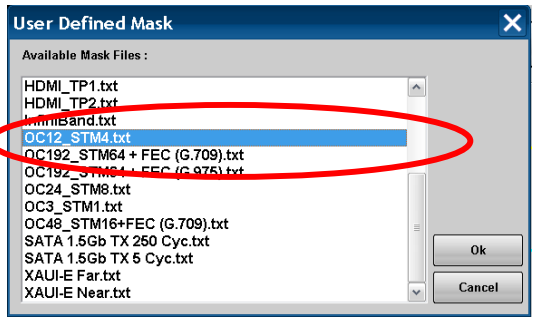


Figure 4

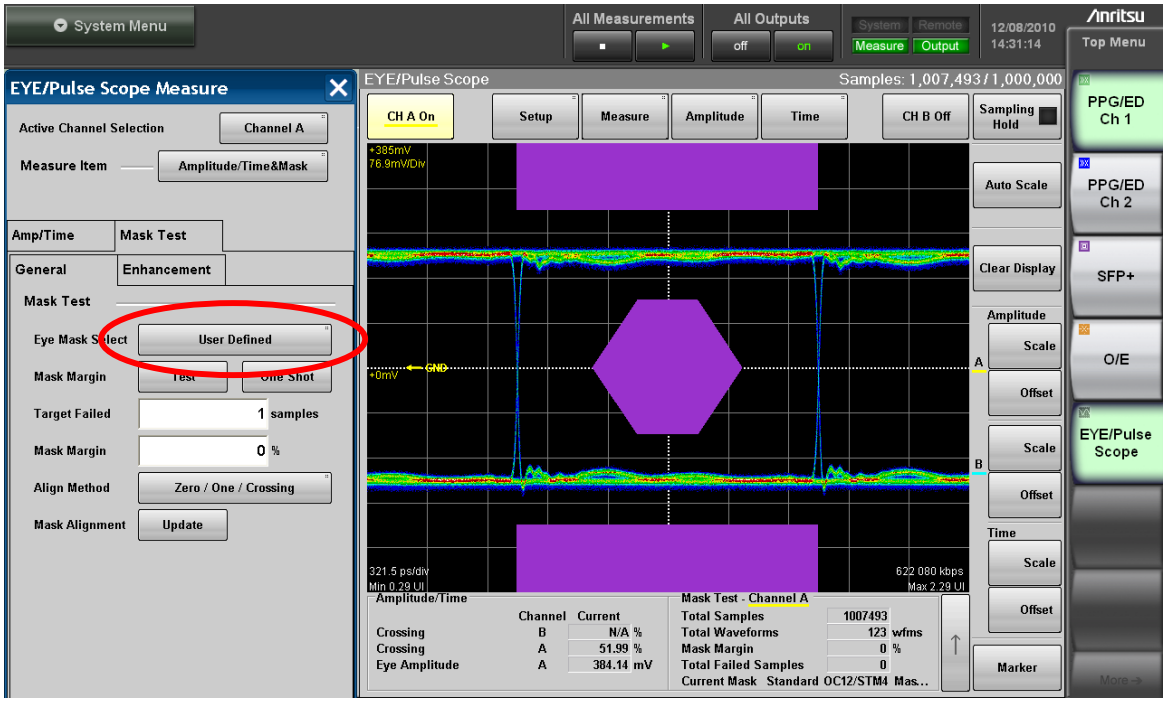


Figure 5