OPTCORE

Transceiver Test Report

PN: SFPP-T-TCA5 (SFP-10G-T)

Test by: Maddy | Date: 2025/12/29

I. Test Purpose

By building realistic switch use cases, we test whether the SFPP-T-TCA5 (SFP-10G-T) transceiver meets industry standards, performs at a high level, and is compatible with the target switch platform.

II. Test Results Summary

Test items	Test Result	Note
Compatibility Test	Pass	Check whether the transceiver is compatible with the target switch
Transmission Distance Test	Pass	Check whether the transceiver meets the distance specification

III. Test Environment

3.1 Test Sample

Vendor Name	Part Number	Serial Number	Description
OPTCORE	SFPP-T-TCA5	24H2002717	10GBASE-T SFP+ RJ45 Copper 30m Transceiver
OPTCORE	SFPP-T-TCA5	24H2002718	10GBASE-T SFP+ RJ45 Copper 30m Transceiver

3.2 Test Equipment Used

Equipment Brand	Equipment Model	Software Version/Note
Juniper	EX3400 PoE+	JUNOS 18.2R3-S4.1
OPTCORE	CAB-C6A-SFTP-PVCBL-30m	30m Cat6A Snagless Shielded (SFTP) PVC Ethernet Network Cable

IV. Test Data

4.1 Compatibility Test

Test Data	 {master:0} root@E18-Juniper> show interfaces statistics | match xe-0/2/ Physical interface: xe-0/2/0, Enabled, Physical link is Up Logical interface xe-0/2/0.0 (Index 602) (SNMP ifIndex 611) Physical interface: xe-0/2/1, Enabled, Physical link is Up Logical interface xe-0/2/1.0 (Index 603) (SNMP ifIndex 617)
Test Conclusion	The optical transceiver was successfully recognized by the Juniper EX3400 PoE+, with all identification information accurately displayed in the outputs.

4.2 Transmission Distance Test

Test Conclusion	 In this test, SFPP-T-TCA5 (SFP-10G-T) modules were connected using 30m Cat6A SFTP PVCBL copper Ethernet cables (OPTCORE CAB-C6A-SFTP-PVCBL-30m) to verify link stability. The modules were inserted into the switches and established a point-to-point connection. The link was monitored for one hour to check for any bit errors, packet loss, link drops, or interruptions. All connections remained stable and error-free, indicating that the modules perform reliably over a 30m Cat6A copper Ethernet link.

Appendix A. Document Revision

Version No	Date	Description
V1.0/EN	2025-12-29	Preliminary test report

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