

# 100GEL MTF Measurements

Sam Kocsis

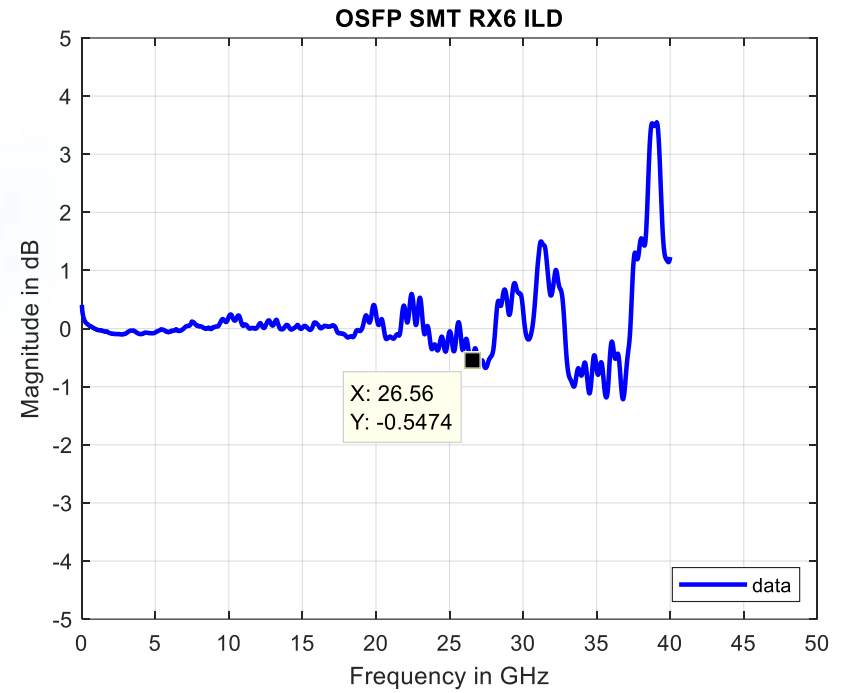
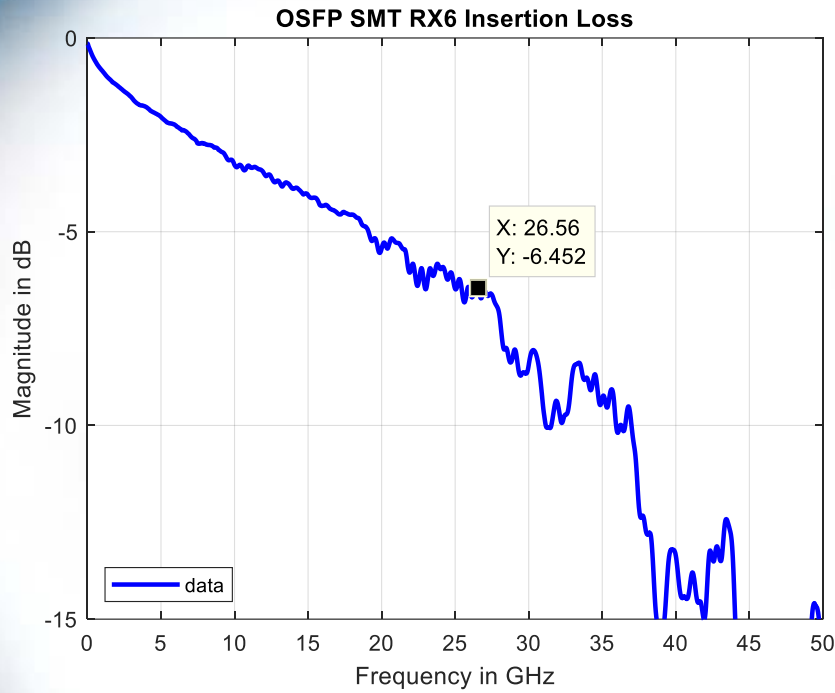
# Contributors

- Chris DiMinico, PHY-SI

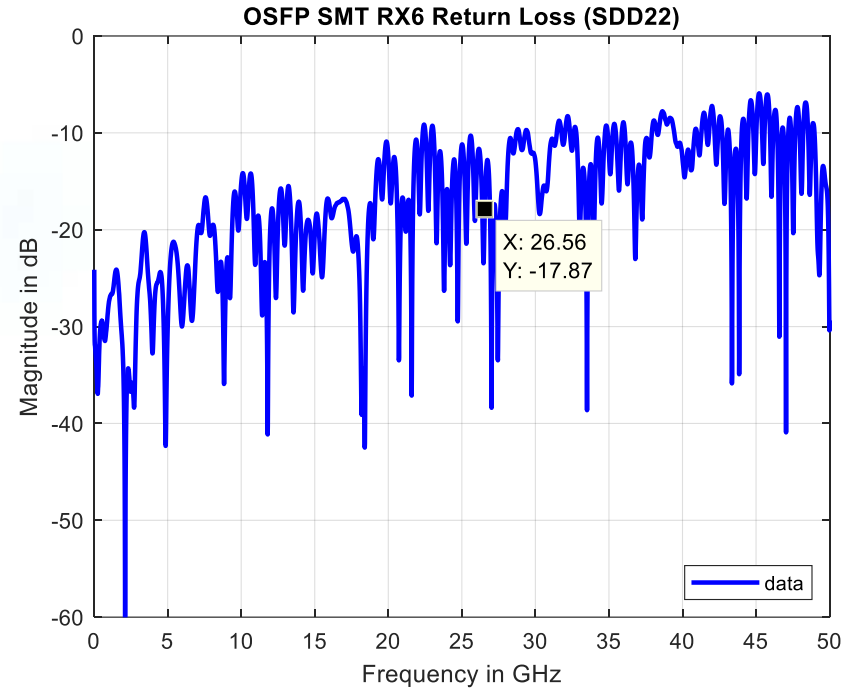
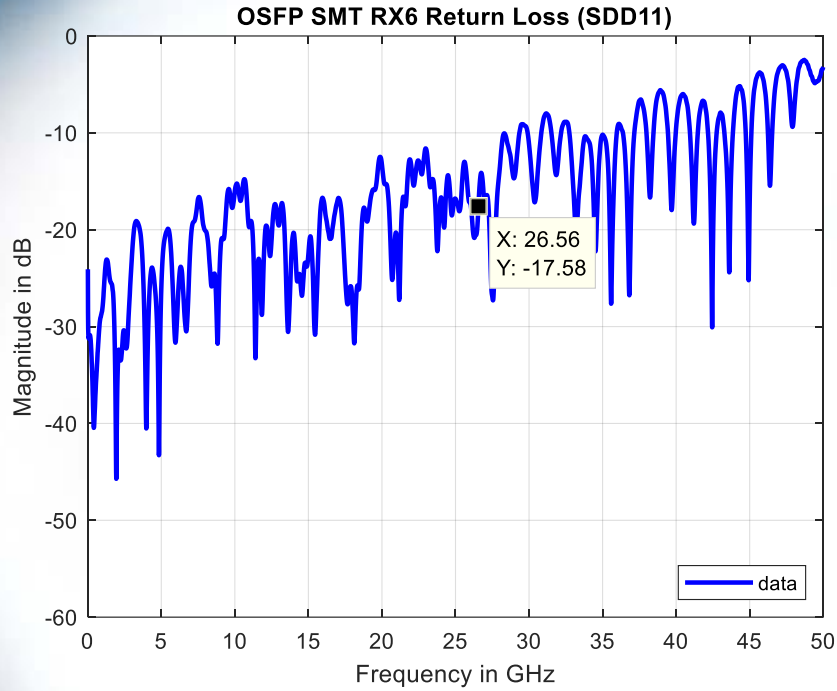
# Overview

- This contribution is measured data for an OSFP MTF, in response to the call for action from several small working groups
- Goal: Advance the development of the MTF performance requirements and COM tool for 100GEL channels
- Data collected 10MHz-50GHz, 10MHz steps
- Total (16) Files Posted:
  - RX6\_THRU
  - RX6\_RX1\_FEXT
  - RX6\_RX2\_FEXT
  - RX6\_RX3\_FEXT
  - RX6\_RX4\_FEXT
  - RX6\_RX5\_FEXT
  - RX6\_RX7\_FEXT
  - RX6\_RX8\_FEXT
  - RX6\_TX1\_NEXT
  - RX6\_TX2\_NEXT
  - RX6\_TX3\_NEXT
  - RX6\_TX4\_NEXT
  - RX6\_TX5\_NEXT
  - RX6\_TX6\_NEXT
  - RX6\_TX7\_NEXT
  - RX6\_TX8\_NEXT

# Insertion Loss



# Return Loss



# OSFP Crosstalk

## Near-End Crosstalk Map

TX1	TX3	TX5	TX7			RX8	RX6	RX4	RX2
TX2	TX4	TX6	TX8			RX7	RX5	RX3	RX1

## Far-End Crosstalk Map

TX1	TX3	TX5	TX7			RX8	RX6	RX4	RX2
TX2	TX4	TX6	TX8			RX7	RX5	RX3	RX1

<b>Victim</b>
<b>Cat1 Aggressor</b>
<b>Cat2 Aggressor</b>
<b>Cat3 Aggressor</b>
<b>Cat4 Aggressor</b>

# Crosstalk

