

OSFP 1.6T HCB (Host Compliance Board) MCB (Module Compliance Board)

FEATURES

- Compliance IEEE 802.3dj Specification
- Compliance OIF CEI -224G Specification
- OSFP MSA 5.22

AVAILABLE CONFIGURATIONS

- 8 channels - Max. frequency 110 GHz using 1.0mm RF connectors, female
- 8 channels - Max. frequency 67 GHz using 1.85mm RF connectors, female

SYMBOL RATE

- 8x 112G NRZ
- 8x 224G PAM4

CMIS INTERFACE

- Monitor
- Manage
- Troubleshoot
- Wilder CMIS GUI SW

Included

- Protective Case

In a relentless pursuit of higher data rates, Wilder Technologies proudly introduces our OSFP 1.6T test fixtures. Advancements in optical and electrical interconnects demand cutting-edge test platforms.

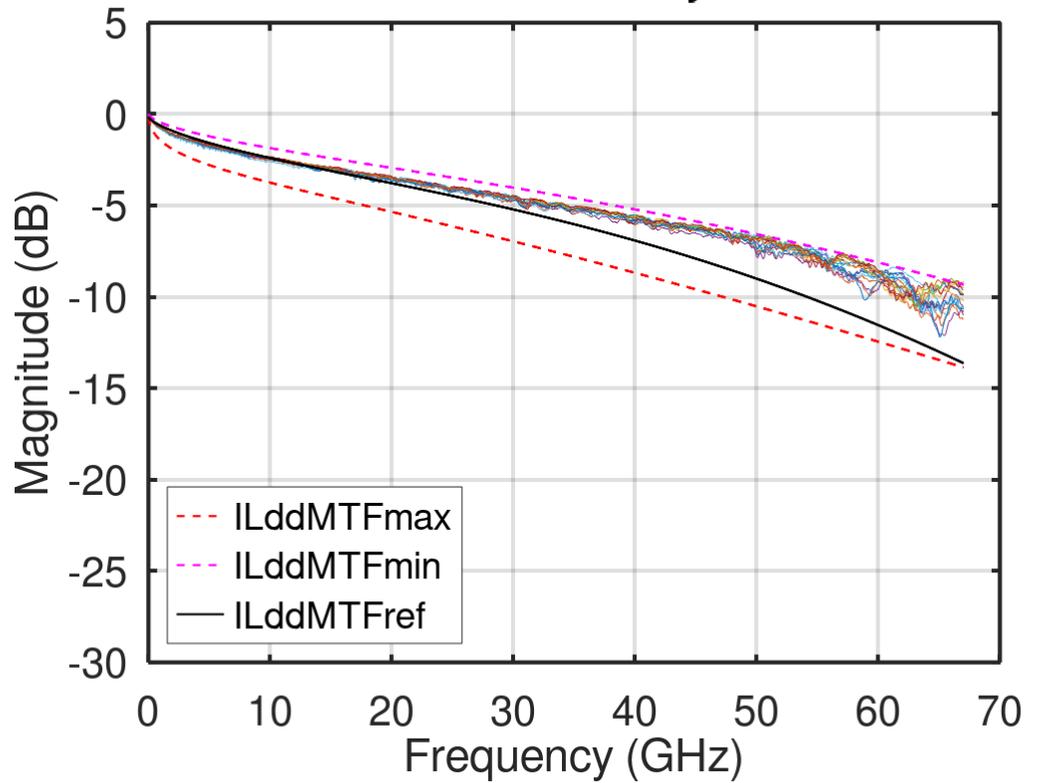
- Supports 67 GHz testing (1.85mm RF connectors) and up to 110 GHz testing (1.0mm RF connectors)
- Capable of 112Gbaud and 224G PAM4 data rates over 8-channels
- Available in IHS—Integrated Heat Sink and RHS—Riding Heat Sink configurations
- 43 W available power for testing your active cables and modules via included power adapter and selected external power source
- Low-speed signal access through a 14-position header
- CMIS access via USB port using Wilder's CMIS GUI (included)
- Optional variable speed fan module for cooling active devices up to 43 W



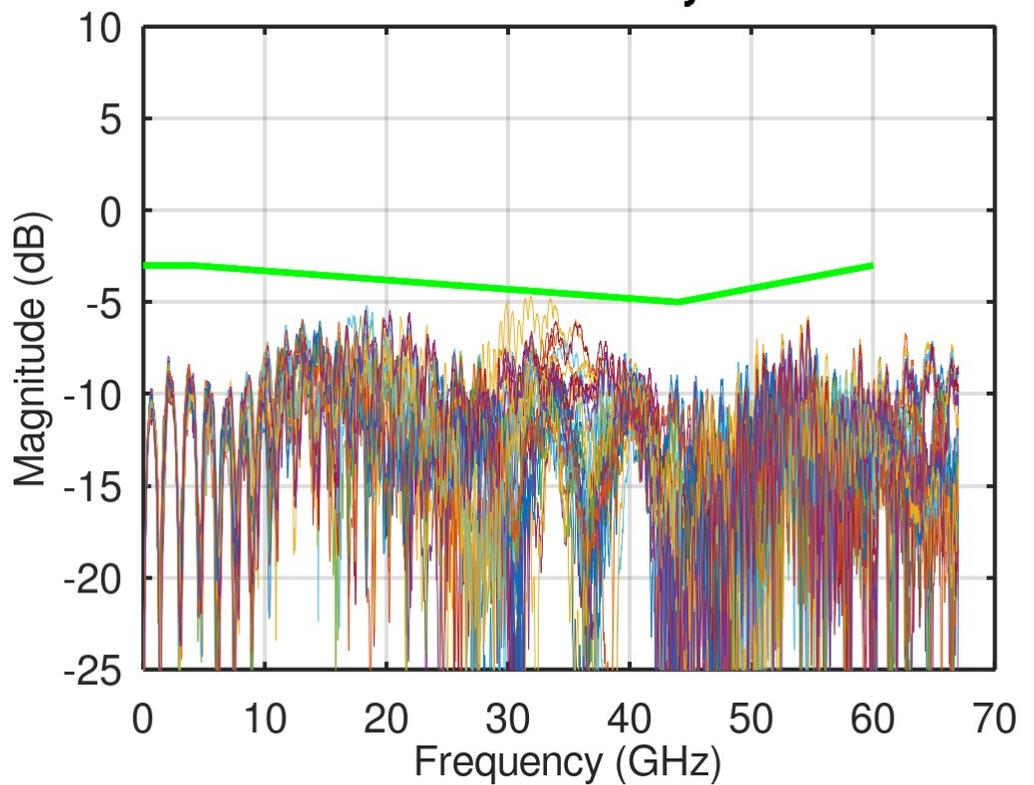
Enables Testing of

- Switch Ports
- Host Ports
- Adapter (NIC Card) Ports
- Silicon Evaluation Boards

SDDXY All Layer



SCCXX All Layer





MCB Enables Testing of

- **Optical Transceiver Modules**
- **AOC's Active Optical Cables**
- **DAC's Direct Attach Cables**
- **AEC's Active Electrical Cables**
- **ACC's Active Copper Cables**

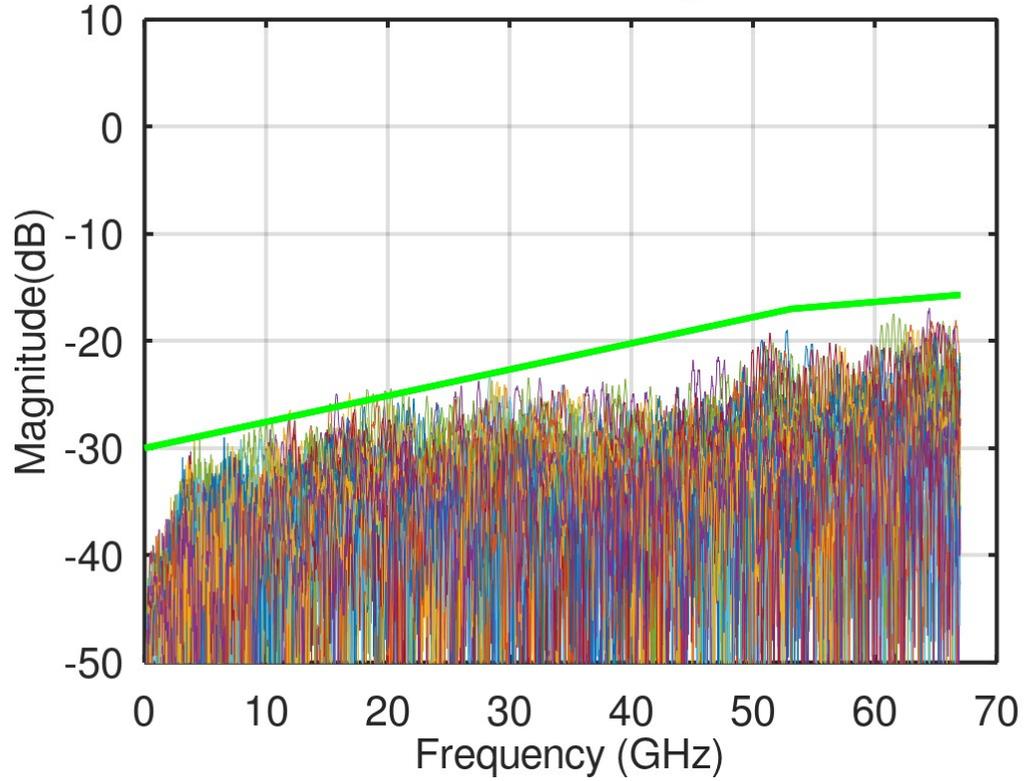
Available Configurations

IHS—Integrated Heat Sink

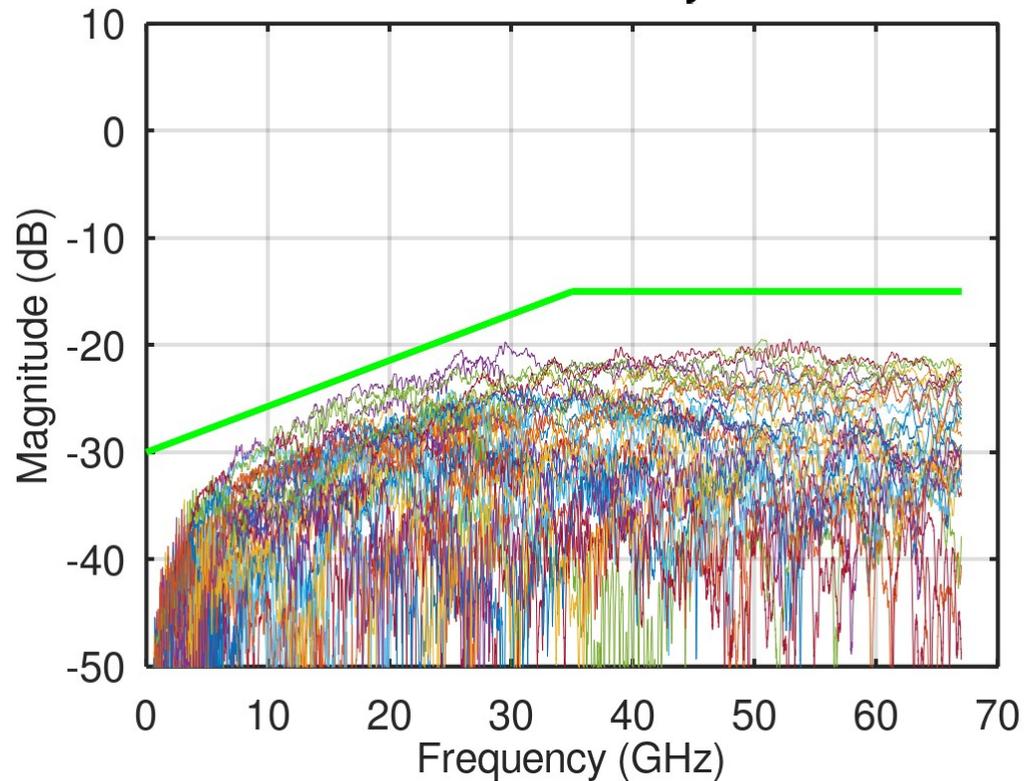
RHS—Riding Heat Sink

Optional Cooling Module for testing ≥ 43 W Active DUT's

SDCXX All Layer



SDCXY All Layer





Effective Return Loss and FOM Insertion Loss Deviation			
	ERL11	ERL22	FOMILD
RX1	13.664	13.104	0.059
RX2	12.468	11.815	0.073
RX3	13.046	12.531	0.059
RX4	13.03	12.468	0.067
RX5	13.635	12.991	0.053
RX6	12.575	12.178	0.057
RX7	12.879	12.21	0.06
RX8	12.792	11.832	0.065
TX1	12.664	11.92	0.078
TX2	12.649	12.263	0.063
TX3	12.439	11.962	0.063
TX4	13.195	12.516	0.059
TX5	12.952	12.313	0.064
TX6	12.686	12.284	0.061
TX7	12.631	11.835	0.077
TX8	12.414	11.418	0.073
ERL Pass ≥ 10.3 , FOMILD Pass ≤ 0.15			

**Industry participation
Members & Contributors**



OSFP 1.6T HCB Ordering Part Numbers

Wilder PN	Model	Description
640-1099-000	OSFP-1.6T-TPA1.85-R2-HCB-P	OSFP-1.6T-TPA1.85-R2-HCB-P (OSFP 1.6T HCB Plug, F, 1.85mm Cables, Gen2)
640-1099-030	OSFP-1.6T-TPA1.85-R2-HCB-RX-P	OSFP-1.6T-TPA1.85-R2-HCB-RX-P (OSFP 1.6T HCB RX Only, Plug, F, 1.85mm Cables, Gen2)
640-1099-040	OSFP-1.6T-TPA1.85-R2-HCB-TX-P	OSFP-1.6T-TPA1.85-R2-HCB-TX-P (OSFP 1.6T HCB TX Only, Plug, F, 1.85mm Cables, Gen2)
640-1099-100	OSFP-1.6T-TPA1.00-R2-HCB-P	OSFP-1.6T-TPA1.00-R2-HCB-P (OSFP 1.6T HCB Plug, F, 1.00mm Cables, Gen2)
640-1099-130	OSFP-1.6T-TPA1.00-R2-HCB-RX-P	OSFP-1.6T-TPA1.00-R2-HCB-RX-P (OSFP 1.6T HCB RX Only, Plug, F, 1.00mm Cables, Gen2)
640-1099-140	OSFP-1.6T-TPA1.00-R2-HCB-TX-P	OSFP-1.6T-TPA1.00-R2-HCB-TX-P (OSFP 1.6T HCB TX Only, Plug, F, 1.00mm Cables, Gen2)
640-1178-000	OSFP-1.6T-TPA1.85-R2-HCB-RHS-P	OSFP-1.6T-TPA1.85-R2-HCB-RHS-P (OSFP 1.6T HCB Riding Heat Sink, Plug, F, 1.85mm Cables, Gen2)
640-1178-030	OSFP-1.6T-TPA1.85-R2-HCB-RHS-RX-P	OSFP-1.6T-TPA1.85-R2-HCB-RHS-RX-P (OSFP 1.6T HCB RX Only, Riding Heat Sink, Plug, F, 1.85mm Cables, Gen2)
640-1178-040	OSFP-1.6T-TPA1.85-R2-HCB-RHS-TX-P	OSFP-1.6T-TPA1.85-R2-HCB-RHS-TX-P (OSFP 1.6T HCB TX Only, Riding Heat Sink, Plug, F, 1.85mm Cables, Gen2)
640-1178-100	OSFP-1.6T-TPA1.00-R2-HCB-RHS-P	OSFP-1.6T-TPA1.00-R2-HCB-RHS-P (OSFP 1.6T HCB Riding Heat Sink, Plug, F, 1.00mm Cables, Gen2)
640-1178-130	OSFP-1.6T-TPA1.00-R2-HCB-RHS-RX-P	OSFP-1.6T-TPA1.00-R2-HCB-RHS-RX-P (OSFP 1.6T HCB RX Only, Riding Heat Sink, Plug, F, 1.00mm Cables, Gen2)
640-1178-140	OSFP-1.6T-TPA1.00-R2-HCB-RHS-TX-P	OSFP-1.6T-TPA1.00-R2-HCB-RHS-TX-P (OSFP 1.6T HCB TX Only, Riding Heat Sink, Plug, F, 1.00mm Cables, Gen2)

**Industry participation
Members & Contributors**



OSFP 1.6T MCB Ordering Part Numbers

Wilder PN	Model	Description
640-1221-000	OSFP-1.6T-TPA1.85-MCB-M2-R	OSFP-1.6T-TPA1.85-MCB-M2-R (OSFP 1.6T MCB Rcpt, 1.85mm F)
640-1221-050	OSFP-1.6T-TPA1.85-MCB-RHS-M2-R	OSFP-1.6T-TPA1.85-MCB-RHS-M2-R (OSFP 1.6T RHS M2 MCB, 1.85mm F)
640-1221-100	OSFP-1.6T-TPA1.00-MCB-M2-R	OSFP-1.6T-TPA1.00-MCB-M2-R (OSFP 1.6T MCB Rcpt, 1.00mm F)
640-1221-150	OSFP-1.6T-TPA1.00-MCB-RHS-M2-R	OSFP-1.6T-TPA1.00-MCB-RHS-M2-R (OSFP 1.6T RHS M2 MCB, 1.00m F)
640-1222-000	OSFP-1.6T-TPA1.85-MCB-M2-RC2	OSFP-1.6T-TPA1.85-MCB-M2-RC2(OSFP 1.6T MCB Rcpt,1.85mm F,w/ M2 Fan)
640-1222-050	OSFP-1.6T-TPA1.85-MCB-RHS-M2-RC2	OSFP-1.6T-TPA1.85-MCB-RHS-M2-RC2(OSFP 1.6T MCB Rcpt,1.85mm F,w/M2 Fan)
640-1222-100	OSFP-1.6T-TPA1.00-MCB-M2-RC2	OSFP-1.6T-TPA1.00-MCB-M2-RC2(OSFP 1.6T MCB Rcpt,1.00mm F,w/ M2 Fan)
640-1222-150	OSFP-1.6T-TPA1.00-MCB-RHS-M2-RC2	OSFP-1.6T-TPA1.00-MCB-RHS-M2-RC2(OSFP 1.6T MCB Rcpt,1.00mm F,w/M2 Fan)

**Confidence in Testing
for Tomorrow's Challenges**

Wilder Technologies

Instrument Cable Ordering Part Numbers

Wilder PN	Model	Description
415-0128-002	INST-CBL-1.85M-1.85M-300-1PR	Cable Set, Instrument, Matched-Pair 1.85mm Male to 1.85mm Male, 300mm length
415-0128-102	INST-CBL-1.85M-1.85M-600-1PR	Cable Set, Instrument, Matched-Pair 1.85mm Male to 1.85mm Male, 600mm length
415-0128-202	INST-CBL-1.85M-1.85M-900-1PR	Cable Set, Instrument, Matched-Pair 1.85mm Male to 1.85mm Male, 900mm length
415-0160-002	INST-CBL-1.0M-1.0F-300-1PR	Cable Set, Instrument, Matched-Pair 1.0mm Male to 1.0mm Female, 300mm length



WILDER TECHNOLOGIES PRODUCT LIST

Look to Wilder Technologies for your interconnect validation, compliance and certification requirements.

"It's all about integrity"

A Global Leader — Providing evaluation and test vehicles for today's and tomorrow's interconnect technology.

Signal Integrity — High Speed, Low Noise, Ultra-low Insertion and Return Loss.

See what's being tested not the test equipment.

Optimized Signal Path — We provide the cleanest possible conduit to provide you with the cleanest possible signal.



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