



# InfiniBand Trade Association RoCE Integrators' List

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**May 2025 (Plugfest 42)**





# IBTA RoCE Integrators' List

## PlugFest 42 May 2025



| Manufacturer                                    | Description                                                                | Model                    | Type   | Speed   | FW           | SW                    |
|-------------------------------------------------|----------------------------------------------------------------------------|--------------------------|--------|---------|--------------|-----------------------|
| Arista                                          | 64x800GbE <b>OSFP</b> switch                                               | DCS-7060X6-64PE          | Switch | 800 GbE |              | Arista EOS            |
| Arista                                          | 32x800G <b>QSFP-DD</b> switch, front-to-rear air, 2xAC 1500 W              | DCS-7060DX5-64E          | Switch | 800 GbE |              |                       |
| Arista                                          | 7700R4 Switch with 18 x 800G OSFP ports & 20 x 800G OSFP fabric ports      | DCS-DL-7700R4C-38PE-B-F  | Switch | 800 GbE |              |                       |
|                                                 |                                                                            |                          |        |         |              |                       |
| Keysight                                        | AresONE - 800GE-8P- <b>OSFP</b> -M                                         | 944-1419                 | Tester | 800 GbE |              |                       |
| Keysight                                        | AresONE - 800GE-4P- <b>QSFP-DD</b> -M                                      | 944-1425                 | Tester | 800 GbE |              |                       |
|                                                 |                                                                            |                          |        |         |              |                       |
| Nvidia                                          | ConnectX-7 200GbE NDR200 IB, Dual-port <b>QSFP112</b> , PCIe 5.0 x16       | MCX755106AC- <b>HEAT</b> | RNIC   | 200 GbE | 32.40.100    | MLNX-OS 24.01-0.3.3.1 |
| Nvidia                                          | Nvidia <b>BlueField-3</b> B3140H 400GbE/NDR IB, Single-port <b>QSFP112</b> | 900-9D3D4-00EN-HA0       | RNIC   | 400 GbE | 32.40.100    |                       |
| Nvidia                                          | NVIDIA ConnectX-7 400GbE/ NDR IB, Single-port <b>QSFP112</b>               | MCX715105AS- <b>WEAT</b> | RNIC   | 400 GbE | 28.45.1020   |                       |
| Nvidia                                          | NVIDIA ConnectX-7 400GbE/NDR IB Single-port <b>OSFP</b>                    | MCX75310AAS- <b>NEAT</b> | RNIC   | 400 GbE | 28.45.1020   |                       |
|                                                 |                                                                            |                          |        |         |              |                       |
| Nvidia                                          | Spectrum-3 32 QSFPDD ports Supports 10 to 400GbE Onyx OS                   | MSN4700-WS2F             | Switch | 400 GbE | 30.2010.4208 | Onyx 3.10.4206        |
| Nvidia                                          | Spectrum-4 64 OSFP ports and 2 SFP28 ports 800GbE 2U                       | SN5610                   | Switch | 800 GbE |              |                       |
|                                                 |                                                                            |                          |        |         |              |                       |
| Software                                        | Versions                                                                   | Benchmarks Performed     |        |         |              |                       |
| Operating System                                | <a href="#">Rocky Linux 9.5</a>                                            | PingPong                 |        |         | Gather       |                       |
| INBOX IB Support                                | <a href="#">Rocky Linux 9.5</a>                                            | PingPing                 |        |         | Gatherv      |                       |
| Mellanox OFED                                   | <a href="#">doca-host-3.1.0-091000_25.07_rhel95.x86_64.rpm</a>             | Sendrecv                 |        |         | Scatter      |                       |
| Open MPI                                        | <a href="#">openmpi-5.0.7.tar.gz</a>                                       | Exchange                 |        |         | Scatterv     |                       |
| Benchmark                                       | <a href="#">Intel MPI Benchmarks 2021.16.1</a>                             | Allreduce                |        |         | Alltoall     |                       |
| Benchmark Docs                                  | <a href="#">Intel MPI Benchmarks Documentation</a>                         | Reduce                   |        |         | Alltoallv    |                       |
| Test Plan                                       | <a href="#">Software Forge RoCE Interoperability MOI</a>                   | Reduce_scatter           |        |         | Bcast        |                       |
| Duration                                        | 1-3 minutes                                                                | Allgather                |        |         | Barrier      |                       |
|                                                 |                                                                            | Allgatherv               |        |         |              |                       |
| Conditions for Passing Interoperability Testing |                                                                            |                          |        |         |              |                       |
| Performance                                     | Devices must perform at advertised rates and latencies                     |                          |        |         |              |                       |
| Link Status                                     | Link rate and width show expected values - i.e. 100GbE (4x)                |                          |        |         |              |                       |
| Errors                                          | There must be no errors recorded during any test phases                    |                          |        |         |              |                       |

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## RoCE Interoperability Scenarios

| Scenario   | RNIC-1             | Switch-1        | Switch-2                | RNIC-2             | Speed |
|------------|--------------------|-----------------|-------------------------|--------------------|-------|
| Interop 01 | MCX75310AAS-NEAT   |                 |                         | MCX75310AAS-NEAT   | 400   |
| Interop 02 | 900-9D3D4-00EN-HA0 | DCS-7060DX5-64E |                         | MCX715105AS-WEAT   | 400   |
| Interop 03 | MCX755106AC-HEAT   | DCS-7060DX5-64E | MSN4700                 | MCX755106AC-HEAT   | 200   |
| Interop 04 | MCX75310AAS-NEAT   | MSN4700         | DCS-7060X6-64PE         | 900-9D3D4-00EN-HA0 | 200   |
| Interop 05 | MCX75310AAS-NEAT   | SN5610          | DCS-DL-7700R4C-38PE-B-F | 900-9D3D4-00EN-HA0 | 400   |
| Interop 06 | 900-9D3D4-00EN-HA0 | SN5610          | DCS-7060X6-64PE         | MCX75310AAS-NEAT   | 400   |
| Interop 07 | MCX755106AC-HEAT   | SN5610          | MSN4700                 | 900-9D3D4-00EN-HA0 | 200   |
| Interop 08 | MCX75310AAS-NEAT   | SN5610          | DCS-7060X6-64PE         | MCX715105AS-WEAT   | 400   |
|            |                    |                 |                         |                    |       |
| Interop 09 | MCX75310AAS-NEAT   | SN5610          | DCS-7060X6-64PE         | MCX715105AS-WEAT   | 800   |
|            | AresONE 944-1425   |                 |                         | AresONE 944-1419   |       |
|            |                    |                 |                         |                    |       |
| Interop 10 | MCX75310AAS-NEAT   | SN5610          | DCS-7060X6-64PE         | MCX75310AAS-NEAT   | 800   |
|            | MCX715105AS-WEAT   |                 |                         | 900-9D3D4-00EN-HA0 |       |
|            | AresONE 944-1425   |                 |                         | AresONE 944-1419   |       |
|            |                    |                 |                         |                    |       |
| Interop 11 | MCX75310AAS-NEAT   | SN5610          | DCS-7060X6-64PE         | MCX75310AAS-NEAT   | 400   |
| Interop 12 | MCX715105AS-WEAT   | SN5610          | DCS-7060DX5-64E         | MCX75310AAS-NEAT   | 400   |
| Interop 13 | MCX75310AAS-NEAT   | SN5610          |                         | MCX75310AAS-NEAT   | 400   |
| Interop 14 | MCX715105AS-WEAT   | MSN4700         |                         | MCX75310AAS-NEAT   | 400   |

|                    |                    |
|--------------------|--------------------|
| Legend             | Arista OSFP-IHS    |
| Ares One           | Arista QSFP-DD     |
| Arista             | Nvidia OSFP        |
| Nvidia             | Nvidia QSFP-DD     |
| Nvidia Bluefield 3 | 900-9D3D4-00EN-HA0 |





# IBTA PF42 RoCE Interoperability

## 800 Gigabit Ethernet

### Scenario 09



| Company         | Part Number                 | Length Meters | AWG | Equalization             | Connector Type  | RNIC #1                     | Switch #1       | Cable Under Test   | Switch #2 | RNIC #2       | Link Width | Link Speed | Device Link | Open MPI + | Overall Result |
|-----------------|-----------------------------|---------------|-----|--------------------------|-----------------|-----------------------------|-----------------|--------------------|-----------|---------------|------------|------------|-------------|------------|----------------|
| Amphenol        | NJMMRU-0001                 | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Open   | IXIA 944-1425               | DCS-7060X6-64PE | NJMMRU-0001        | SN5610    | IXIA 944-1419 | 8          | 800        | Pass        | Pass       | Pass           |
| Amphenol        | NJMMEP-0002                 | 2             | 27  | Copper - Unequalized     | OSFP-IHS-Closed |                             |                 | NJMMEP-0002        |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| AOI             | A8SA9N30ADLA1628            | 30            | N/A | Fiber - Active           | OSFP-IHS-Open   |                             |                 | A8SA9N30ADLA1628   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| AOI             | A8SA9N30ADLA1628            | 30            | N/A | Fiber - Active           | OSFP-IHS-Open   |                             |                 | A8SA9N30ADLA1628   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| AOI             | A8SA9N03ADLA1628            | 3             | N/A | Fiber - Active           | OSFP-IHS-Open   |                             |                 | A8SA9N03ADLA1628   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| AOI             | A8SA9N03ADLA1628            | 3             | N/A | Fiber - Active           | OSFP-IHS-Open   |                             |                 | A8SA9N03ADLA1628   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| BizLink         | L45593-L880-C20             | 2             | 28  | Copper - Unequalized     | OSFP-IHS-Open   |                             |                 | L45593-L880-C20    |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| Credo           | CAC83X321A1A-C2-HW          | 7             | 32  | Copper - Full Active     | OSFP-IHS-Closed |                             |                 | CAC83X321A1A-C2-HW |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| Credo           | CAC83X321A1A-C2-HW          | 7             | 32  | Copper - Full Active     | OSFP-IHS-Closed |                             |                 | CAC83X321A1A-C2-HW |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP82-AZZ1B-EF            | 0.5           | 28  | Copper - Unequalized     | OSFP-IHS-Closed |                             |                 | CUKKP82-AZZ1B-EF   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP82-1ZZ1B-EF            | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Closed |                             |                 | CUKKP82-1ZZ1B-EF   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP82-BZZ1C-EF            | 1.2           | 26  | Copper - Unequalized     | OSFP-IHS-Closed |                             |                 | CUKKP82-BZZ1C-EF   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP82-BZZ1B-EF            | 1.5           | 26  | Copper - Unequalized     | OSFP-IHS-Closed |                             |                 | CUKKP82-BZZ1B-EF   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP75-1ZZ10-EF            | 1             | 32  | Copper - Unequalized     | OSFP-IHS-Open   |                             |                 | CUKKP75-1ZZ10-EF   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP72-2ZZ10-EF            | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open   |                             |                 | CUKKP72-2ZZ10-EF   |           |               | 8          | 800        | Pass        | Pass       | Pass           |
| FIT Electronics | CUKKP72-CZZ11-EF            | 2.2           | 26  | Copper - Unequalized     | OSFP-IHS-Open   | CUKKP72-CZZ11-EF            |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| FIT Electronics | CUKKP72-CZZ10-EF            | 2.5           | 26  | Copper - Unequalized     | OSFP-IHS-Open   | CUKKP72-CZZ10-EF            |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Infraeo         | A-200-OC-OC-020B            | 2             | 26  | Copper - Linear Active   | OSFP-IHS-Open   | A-200-OC-OC-020B            |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Infraeo         | A-100-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open   | A-100-OC-OC-030B            |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Infraeo         | E1-100-O-O-030B             | 3             | 30  | Copper - Limiting Active | OSFP-IHS-Open   | E1-100-O-O-030B             |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Infraeo         | E1-100-O-O-050B             | 5             | 28  | Copper - Limiting Active | OSFP-IHS-Open   | E1-100-O-O-050B             |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Infraeo         | A-200-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open   | A-200-OC-OC-030B            |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Infraeo         | A-100-OC-OC-040B            | 4             | 25  | Copper - Linear Active   | OSFP-IHS-Open   | A-100-OC-OC-040B            |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Nvidia          | 980-9130G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open   | 980-9130G-00NM00 MMS4X00-NM |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Nvidia          | 980-9130G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open   | 980-9130G-00NM00 MMS4X00-NM |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Nvidia          | 980-91510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open   | 980-91510-00NS00 MMA4Z00-NS |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |
| Nvidia          | 980-91510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open   | 980-91510-00NS00 MMA4Z00-NS |                 | 8                  | 800       | Pass          | Pass       | Pass       |             |            |                |



# IBTA PF42 RoCE Interoperability

## 800 Gigabit Ethernet

### Scenario 09



| Company            | Part Number     | Length Meters | AWG | Equalization           | Connector Type | RNIC #1 | Switch #1 | Cable Under Test | Switch #2 | RNIC #2 | Link Width | Link Speed | Device Link | Open MPI + | Overall Result |
|--------------------|-----------------|---------------|-----|------------------------|----------------|---------|-----------|------------------|-----------|---------|------------|------------|-------------|------------|----------------|
| TE Connectivity    | 2448085-3       | 2             | 27  | Copper - Unequalized   | OSFP-IHS-Open  |         |           | 2448085-3        |           |         | 8          | 800        | Pass        | Pass       | Pass           |
| TE Connectivity    | 2448084-4       | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open  |         |           | 2448084-4        |           |         | 8          | 800        | Pass        | Pass       | Pass           |
| TE Connectivity    | 2476103-1       | 1             | 32  | Copper - Full Active   | OSFP-IHS-Open  |         |           | 2476103-1        |           |         | 8          | 800        | Pass        | Pass       | Pass           |
| TE Connectivity    | 2369406-4       | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open  |         |           | 2369406-4        |           |         | 8          | 800        | Pass        | Pass       | Pass           |
| The Siemon Company | F1F112E05.0-8ZB | 5             | 25  | Copper - Full Active   | OSFP-IHS-Open  |         |           | F1F112E05.0-8ZB  |           |         | 8          | 800        | Pass        | Pass       | Pass           |
| The Siemon Company | F1F112A05.0-8ZB | 5             | 25  | Copper - Linear Active | OSFP-IHS-Open  |         |           | F1F112A05.0-8ZB  |           |         | 8          | 800        | Pass        | Pass       | Pass           |
| The Siemon Company | F1F112A02.0-8ZB | 2             | 30  | Copper - Linear Active | OSFP-IHS-Open  |         |           | F1F112A02.0-8ZB  |           |         | 8          | 800        | Pass        | Pass       | Pass           |

|                      |         |                             |                  |                    |         |                      |                  |
|----------------------|---------|-----------------------------|------------------|--------------------|---------|----------------------|------------------|
| RNIC #1 - NVIDIA     | 400 GbE |                             |                  |                    |         | 400 GbE              | RNIC #2 - NVIDIA |
| ConnectX-7-NEAT-OSFP | Link    | SWITCH #1 - Arista Networks | 800 GbE          | SWITCH #2 - NVIDIA | Link    | ConnectX-7-WEAT-QSFP |                  |
| IXIA #1              | 400 GbE | DCS-7060X6-64PE             | Cable Under Test | SN5610             | 400 GbE | IXIA #2              |                  |
| IXIA 944-1425        | Link    |                             |                  |                    | Link    | IXIA 944-1419        |                  |



# IBTA PF42 RoCE Interoperability

## 800 Gigabit Ethernet Scenario 10



| Company         | Part Number        | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1 & #2     | Switch #1 | Cable Under Test   | Switch #2       | RNIC #3 & #4    | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|-----------------|--------------------|---------------|-----|------------------------|-----------------|------------------|-----------|--------------------|-----------------|-----------------|------------|------------|-------------|------------------------|----------------|
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed | ConnectX-7-NEAT  | SN5610    | OP27PD8-10D        | DCS-7060X6-64PE | ConnectX-7-NEAT | 8          | 800        | Pass        | Pass                   | Pass           |
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | OP27PD8-10D        |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | OP13PD8-005D       |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | OP13PD8-005D       |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMRU-0001        | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                  |           | NJMMRU-0001        |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMEP-0002        | 2             | 27  | Copper - Unequalized   | OSFP-IHS-Closed |                  |           | NJMMEP-0002        |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | A8SMDN85ADLA1637   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | A8SMDN85ADLA1637   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | A8SNANQ8EDLA1714   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | A8SNANQ8EDLA1714   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | A8SLBCQ8EDLA1485   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | A8SLBCQ8EDLA1485   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |                  |           | A8SA9N30ADLA1628   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |                  |           | A8SA9N30ADLA1628   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   | A8SA9N03ADLA1628 |           | 8                  |                 | 800             | Pass       | Pass       | Pass        |                        |                |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   | A8SA9N03ADLA1628 |           | 8                  |                 | 800             | Pass       | Pass       | Pass        |                        |                |
| BizLink         | L45593-L880-C20    | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open   | ConnectX-7-WEAT  |           | L45593-L880-C20    |                 | Bluefield-3     | 8          | 800        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-B15    | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                  |           | L45593-L880-B15    |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Cisco Systems   | M850P1AA-xxx       | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | M850P1AA-xxx       |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Cisco Systems   | M850P1AA-xxx       | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                  |           | M850P1AA-xxx       |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |                  |           | CAC83X321A1A-C2-HW |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |                  |           | CAC83X321A1A-C2-HW |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-AZZ1B-EF   | 0.5           | 28  | Copper - Unequalized   | OSFP-IHS-Closed |                  |           | CUKKP82-AZZ1B-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-1ZZ1B-EF   | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                  |           | CUKKP82-1ZZ1B-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1C-EF   | 1.2           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                  |           | CUKKP82-BZZ1C-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1B-EF   | 1.5           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                  |           | CUKKP82-BZZ1B-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP75-1ZZ10-EF   | 1             | 32  | Copper - Unequalized   | OSFP-IHS-Open   |                  |           | CUKKP75-1ZZ10-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-2ZZ10-EF   | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                  |           | CUKKP72-2ZZ10-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ11-EF   | 2.2           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                  |           | CUKKP72-CZZ11-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ10-EF   | 2.5           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                  |           | CUKKP72-CZZ10-EF   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo         | A-200-OC-OC-020B   | 2             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                  |           | A-200-OC-OC-020B   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo         | A-100-OC-OC-030B   | 3             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                  |           | A-100-OC-OC-030B   |                 |                 | 8          | 800        | Pass        | Pass                   | Pass           |



# IBTA PF42 RoCE Interoperability

## 800 Gigabit Ethernet Scenario 10



| Company            | Part Number                 | Length Meters | AWG | Equalization             | Connector Type | RNIC #1 & #2  | Switch #1 | Cable Under Test            | Switch #2       | RNIC #3 & #4  | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|-----------------------------|---------------|-----|--------------------------|----------------|---------------|-----------|-----------------------------|-----------------|---------------|------------|------------|-------------|------------------------|----------------|
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  | IXIA 944-1425 | SN5610    | O-100-O-SR8                 | DCS-7060X6-64PE | IXIA 944-1419 | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  |               |           | O-100-O-SR8                 |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-030B             | 3             | 30  | Copper - Limiting Active | OSFP-IHS-Open  |               |           | E1-100-O-O-030B             |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-050B             | 5             | 28  | Copper - Limiting Active | OSFP-IHS-Open  |               |           | E1-100-O-O-050B             |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo            | A-200-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | A-200-OC-OC-030B            |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Infraeo            | A-100-OC-OC-040B            | 4             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | A-100-OC-OC-040B            |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |               |           | 980-9I30G-00NM00 MMS4X00-NM |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |               |           | 980-9I30G-00NM00 MMS4X00-NM |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |               |           | 980-9I510-00NS00 MMA4Z00-NS |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |               |           | 980-9I510-00NS00 MMA4Z00-NS |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T88D8EFN000DZZ              | 500           | N/A | Transceiver              | OSFP-IHS-Open  |               |           | T88D8EFN000DZZ              |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T8E8NHFN100DZZ              | 50            | N/A | Transceiver              | OSFP-IHS-Open  |               |           | T8E8NHFN100DZZ              |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-2                   | 1.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | 2493882-2                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-1                   | 1             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | 2493882-1                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448085-3                   | 2             | 27  | Copper - Unequalized     | OSFP-IHS-Open  |               |           | 2448085-3                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448084-4                   | 2             | 28  | Copper - Unequalized     | OSFP-IHS-Open  |               |           | 2448084-4                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2476103-1                   | 1             | 32  | Copper - Full Active     | OSFP-IHS-Open  |               |           | 2476103-1                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 980-9IAL3-00X001            | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |               |           | 980-9IAL3-00X001            |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |               |           | 2369406-4                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-3                   | 2             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | 2485332-3                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-4                   | 2.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | 2485332-4                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-6                   | 3.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | 2485332-6                   |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112E05.0-8ZB             | 5             | 25  | Copper - Full Active     | OSFP-IHS-Open  |               |           | F1F112E05.0-8ZB             |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112X10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |               |           | F1F112X10.0-3YQ             |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A05.0-8ZB             | 5             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | F1F112A05.0-8ZB             |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A02.0-8ZB             | 2             | 30  | Copper - Linear Active   | OSFP-IHS-Open  |               |           | F1F112A02.0-8ZB             |                 |               | 8          | 800        | Pass        | Pass                   | Pass           |

| Connection #1 and Connection #2 |         |                    |             |                             |         |                      |                  |
|---------------------------------|---------|--------------------|-------------|-----------------------------|---------|----------------------|------------------|
| RNIC #1 - NVIDIA                | 400 GbE |                    |             |                             |         | 400 GbE              | RNIC #3 - NVIDIA |
| ConnectX-7-NEAT-OSFP            | Link    | SWITCH #1 - NVIDIA | 800 GbE     | SWITCH #2 - Arista Networks | Link    | ConnectX-7-NEAT-OSFP |                  |
| RNIC #2 - NVIDIA                | 400 GbE | SN5610             | Cable Under | DCS-7060X6-64PE             | 400 GbE | RNIC #4 - NVIDIA     |                  |
| ConnectX-7-WEAT-QSFP            | Link    |                    |             |                             |         | Link                 |                  |
| BlueField-3                     |         |                    |             |                             |         |                      |                  |

| Connection #3 - IXIA |         |                    |             |                             |         |
|----------------------|---------|--------------------|-------------|-----------------------------|---------|
| IXIA #1              | 800 GbE | SWITCH #1 - NVIDIA | 800 GbE     | SWITCH #2 - Arista Networks | 800 GbE |
| IXIA 944-1425        | Link    | SN5610             | Cable Under | DCS-7060X6-64PE             | Link    |
| IXIA 944-1419        |         |                    |             |                             |         |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 11



| Company         | Part Number        | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1              | Switch #1 | Cable Under Test   | Switch #2       | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|-----------------|--------------------|---------------|-----|------------------------|-----------------|----------------------|-----------|--------------------|-----------------|----------------------|------------|------------|-------------|------------------------|----------------|
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed | ConnectX-7-NEAT-OSFP | SN5610    | OP27PD8-10D        | DCS-7060X6-64PE | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | OP27PD8-10D        |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | OP13PD8-005D       |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | OP13PD8-005D       |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMRU-0001        | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | NJMMRU-0001        |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMEP-0002        | 2             | 27  | Copper - Unequalized   | OSFP-IHS-Closed |                      |           | NJMMEP-0002        |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | A8SMDN85ADLA1637   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | A8SMDN85ADLA1637   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | A8SNANQ8EDLA1714   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | A8SNANQ8EDLA1714   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | A8SLBCQ8EDLA1485   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | A8SLBCQ8EDLA1485   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |           | A8SA9N30ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |           | A8SA9N30ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |           | A8SA9N03ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |           | A8SA9N03ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-C20    | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | L45593-L880-C20    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-B15    | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | L45593-L880-B15    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L1600-BKS1  | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | L45593-L1600-BKS1  |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Cisco Systems   | M850P1AA-xxx       | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | M850P1AA-xxx       |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Cisco Systems   | M850P1AA-xxx       | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                      |           | M850P1AA-xxx       |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |                      |           | CAC83X321A1A-C2-HW |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |                      |           | CAC83X321A1A-C2-HW |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-AZZ1B-EF   | 0.5           | 28  | Copper - Unequalized   | OSFP-IHS-Closed |                      |           | CUKKP82-AZZ1B-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-1ZZ1B-EF   | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |           | CUKKP82-1ZZ1B-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1C-EF   | 1.2           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |           | CUKKP82-BZZ1C-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1B-EF   | 1.5           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |           | CUKKP82-BZZ1B-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP75-1ZZ10-EF   | 1             | 32  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | CUKKP75-1ZZ10-EF   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-2ZZ10-EF   | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | CUKKP72-2ZZ10-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ11-EF   | 2.2           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | CUKKP72-CZZ11-EF   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ10-EF   | 2.5           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | CUKKP72-CZZ10-EF   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-200-OC-OC-020B   | 2             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                      |           | A-200-OC-OC-020B   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-100-OC-OC-030B   | 3             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                      |           | A-100-OC-OC-030B   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |





# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 11



| Company            | Part Number                 | Length Meters | AWG | Equalization             | Connector Type | RNIC #1              | Switch #1 | Cable Under Test            | Switch #2       | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|-----------------------------|---------------|-----|--------------------------|----------------|----------------------|-----------|-----------------------------|-----------------|----------------------|------------|------------|-------------|------------------------|----------------|
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  | ConnectX-7-NEAT-OSFP | SN5610    | O-100-O-SR8                 | DCS-7060X6-64PE | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  |                      |           | O-100-O-SR8                 |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-030B             | 3             | 30  | Copper - Limiting Active | OSFP-IHS-Open  |                      |           | E1-100-O-O-030B             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-050B             | 5             | 28  | Copper - Limiting Active | OSFP-IHS-Open  |                      |           | E1-100-O-O-050B             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-200-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | A-200-OC-OC-030B            |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-100-OC-OC-040B            | 4             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | A-100-OC-OC-040B            |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |           | 980-9I30G-00NM00 MMS4X00-NM |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |           | 980-9I30G-00NM00 MMS4X00-NM |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |           | 980-9I510-00NS00 MMA4Z00-NS |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |           | 980-9I510-00NS00 MMA4Z00-NS |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T88D8EFN000DZZ              | 500           | N/A | Transceiver              | OSFP-IHS-Open  |                      |           | T88D8EFN000DZZ              |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T8E8NHFN100DZZ              | 50            | N/A | Transceiver              | OSFP-IHS-Open  |                      |           | T8E8NHFN100DZZ              |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-2                   | 1.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | 2493882-2                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-1                   | 1             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | 2493882-1                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448085-3                   | 2             | 27  | Copper - Unequalized     | OSFP-IHS-Open  |                      |           | 2448085-3                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |                      |           | 2369406-4                   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448084-4                   | 2             | 28  | Copper - Unequalized     | OSFP-IHS-Open  |                      |           | 2448084-4                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2476103-1                   | 1             | 32  | Copper - Full Active     | OSFP-IHS-Open  |                      |           | 2476103-1                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 980-9IAL3-00X001            | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |                      |           | 980-9IAL3-00X001            |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |                      |           | 2369406-4                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-3                   | 2             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | 2485332-3                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-4                   | 2.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | 2485332-4                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-6                   | 3.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | 2485332-6                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112E05.0-8ZB             | 5             | 25  | Copper - Full Active     | OSFP-IHS-Open  |                      |           | F1F112E05.0-8ZB             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112X10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |                      |           | F1F112X10.0-3YQ             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A05.0-8ZB             | 5             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | F1F112A05.0-8ZB             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A02.0-8ZB             | 2             | 30  | Copper - Linear Active   | OSFP-IHS-Open  |                      |           | F1F112A02.0-8ZB             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                      |         |                    |                  |                             |         |                      |
|----------------------|---------|--------------------|------------------|-----------------------------|---------|----------------------|
| RNIC #1 - NVIDIA     | 400 GbE | SWITCH #1 - NVIDIA | 400 GbE          | SWITCH #2 - Arista Networks | 400 GbE | RNIC #2 - NVIDIA     |
| ConnectX-7-NEAT-OSFP | Link    | SN5610             | Cable Under Test | DCS-7060X6-64PE             | Link    | ConnectX-7-NEAT-OSFP |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 05



| Company         | Part Number        | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1     | Switch #1 | Cable Under Test   | Switch #2               | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|-----------------|--------------------|---------------|-----|------------------------|-----------------|-------------|-----------|--------------------|-------------------------|----------------------|------------|------------|-------------|------------------------|----------------|
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed | BlueField-3 | SN6610    | OP27PD8-10D        | DCS-DL-7700R4C-38PE-B-F | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | OP27PD8-10D        |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | OP13PD8-005D       |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | OP13PD8-005D       |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMRU-0001        | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | NJMMRU-0001        |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMEP-0002        | 2             | 27  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | NJMMEP-0002        |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SMDN85ADLA1637   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SMDN85ADLA1637   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SNANQ8EDLA1714   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SNANQ8EDLA1714   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SLBCQ8EDLA1485   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SLBCQ8EDLA1485   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N30ADLA1628   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N30ADLA1628   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N03ADLA1628   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N03ADLA1628   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-C20    | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | L45593-L880-C20    |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-B15    | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | L45593-L880-B15    |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L1600-BKS1  | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | L45593-L1600-BKS1  |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |             |           | CAC83X321A1A-C2-HW |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |             |           | CAC83X321A1A-C2-HW |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-AZZ1B-EF   | 0.5           | 28  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-AZZ1B-EF   |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-1ZZ1B-EF   | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-1ZZ1B-EF   |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1C-EF   | 1.2           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-BZZ1C-EF   |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1B-EF   | 1.5           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-BZZ1B-EF   |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP75-1ZZ10-EF   | 1             | 32  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP75-1ZZ10-EF   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-2ZZ10-EF   | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP72-2ZZ10-EF   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ11-EF   | 2.2           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP72-CZZ11-EF   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ10-EF   | 2.5           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP72-CZZ10-EF   |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-200-OC-OC-020B   | 2             | 26  | Copper - Linear Active | OSFP-IHS-Open   |             |           | A-200-OC-OC-020B   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-100-OC-OC-030B   | 3             | 26  | Copper - Linear Active | OSFP-IHS-Open   |             |           | A-100-OC-OC-030B   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 05



| Company            | Part Number                 | Length Meters | AWG | Equalization             | Connector Type | RNIC #1     | Switch #1 | Cable Under Test            | Switch #2               | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|-----------------------------|---------------|-----|--------------------------|----------------|-------------|-----------|-----------------------------|-------------------------|----------------------|------------|------------|-------------|------------------------|----------------|
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  | BlueField-3 | SN5610    | O-100-O-SR8                 | DCS-DL-7700R4C-38PE-B-F | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | O-100-O-SR8                 |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-030B             | 3             | 30  | Copper - Limiting Active | OSFP-IHS-Open  |             |           | E1-100-O-O-030B             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-050B             | 5             | 28  | Copper - Limiting Active | OSFP-IHS-Open  |             |           | E1-100-O-O-050B             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-200-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | A-200-OC-OC-030B            |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-100-OC-OC-040B            | 4             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | A-100-OC-OC-040B            |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I30G-00NM00 MMS4X00-NM |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I30G-00NM00 MMS4X00-NM |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I510-00NS00 MMA4Z00-NS |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I510-00NS00 MMA4Z00-NS |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T88D8EFN000DZZ              | 500           | N/A | Transceiver              | OSFP-IHS-Open  |             |           | T88D8EFN000DZZ              |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T8E8NHFN100DZZ              | 50            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | T8E8NHFN100DZZ              |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-2                   | 1.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2493882-2                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-1                   | 1             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2493882-1                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448085-3                   | 2             | 27  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2448085-3                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2369406-4                   |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448084-4                   | 2             | 28  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2448084-4                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2476103-1                   | 1             | 32  | Copper - Full Active     | OSFP-IHS-Open  |             |           | 2476103-1                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 980-9IAL3-00X001            | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 980-9IAL3-00X001            |                         |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2369406-4                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-3                   | 2             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2485332-3                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-4                   | 2.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2485332-4                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-6                   | 3.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2485332-6                   |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112E05.0-8ZB             | 5             | 25  | Copper - Full Active     | OSFP-IHS-Open  |             |           | F1F112E05.0-8ZB             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112X10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | F1F112X10.0-3YQ             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A05.0-8ZB             | 5             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | F1F112A05.0-8ZB             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A02.0-8ZB             | 2             | 30  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | F1F112A02.0-8ZB             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112L10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | F1F112L10.0-3YQ             |                         |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                  |         |                    |                  |                             |         |                      |
|------------------|---------|--------------------|------------------|-----------------------------|---------|----------------------|
| RNIC #1 - NVIDIA | 400 GbE | SWITCH #1 - NVIDIA | 400 GbE          | SWITCH #2 - Arista Networks | 400 GbE | RNIC #2 - NVIDIA     |
| BlueField-3      | Link    | SN5610             | Cable Under Test | DCS-DL-7700R4C-38PE-B-F     | Link    | ConnectX-7-NEAT-OSFP |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 06



| Company         | Part Number        | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1     | Switch #1 | Cable Under Test   | Switch #2       | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|-----------------|--------------------|---------------|-----|------------------------|-----------------|-------------|-----------|--------------------|-----------------|----------------------|------------|------------|-------------|------------------------|----------------|
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed | BlueField-3 | SN5610    | OP27PD8-10D        | DCS-7060X6-64PE | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | OP27PD8-10D        |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | OP13PD8-005D       |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | OP13PD8-005D       |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMRU-0001        | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | NJMMRU-0001        |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMEP-0002        | 2             | 27  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | NJMMEP-0002        |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SMDN85ADLA1637   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SMDN85ADLA1637   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SNANQ8EDLA1714   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SNANQ8EDLA1714   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SLBCQ8EDLA1485   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |             |           | A8SLBCQ8EDLA1485   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N30ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N30ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N03ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |             |           | A8SA9N03ADLA1628   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-C20    | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | L45593-L880-C20    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-B15    | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | L45593-L880-B15    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L1600-BKS1  | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | L45593-L1600-BKS1  |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |             |           | CAC83X321A1A-C2-HW |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |             |           | CAC83X321A1A-C2-HW |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-AZZ1B-EF   | 0.5           | 28  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-AZZ1B-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-1ZZ1B-EF   | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-1ZZ1B-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1C-EF   | 1.2           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-BZZ1C-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1B-EF   | 1.5           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |             |           | CUKKP82-BZZ1B-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP75-1ZZ10-EF   | 1             | 32  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP75-1ZZ10-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-2ZZ10-EF   | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP72-2ZZ10-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ11-EF   | 2.2           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP72-CZZ11-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ10-EF   | 2.5           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |             |           | CUKKP72-CZZ10-EF   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-200-OC-OC-020B   | 2             | 26  | Copper - Linear Active | OSFP-IHS-Open   |             |           | A-200-OC-OC-020B   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-100-OC-OC-030B   | 3             | 26  | Copper - Linear Active | OSFP-IHS-Open   |             |           | A-100-OC-OC-030B   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |





# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 06



| Company            | Part Number                 | Length Meters | AWG | Equalization             | Connector Type | RNIC #1     | Switch #1 | Cable Under Test            | Switch #2       | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|-----------------------------|---------------|-----|--------------------------|----------------|-------------|-----------|-----------------------------|-----------------|----------------------|------------|------------|-------------|------------------------|----------------|
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  | BlueField-3 | SN5610    | O-100-O-SR8                 | DCS-7060X6-64PE | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | O-100-O-SR8                 |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-030B             | 3             | 30  | Copper - Limiting Active | OSFP-IHS-Open  |             |           | E1-100-O-O-030B             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-050B             | 5             | 28  | Copper - Limiting Active | OSFP-IHS-Open  |             |           | E1-100-O-O-050B             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-200-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | A-200-OC-OC-030B            |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-100-OC-OC-040B            | 4             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | A-100-OC-OC-040B            |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I30G-00NM00 MMS4X00-NM |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM00 MMS4X00-NM | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I30G-00NM00 MMS4X00-NM |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I510-00NS00 MMA4Z00-NS |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS00 MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |             |           | 980-9I510-00NS00 MMA4Z00-NS |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T88D8EFN000DZZ              | 500           | N/A | Transceiver              | OSFP-IHS-Open  |             |           | T88D8EFN000DZZ              |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T8E8NHFN100DZZ              | 50            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | T8E8NHFN100DZZ              |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-2                   | 1.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2493882-2                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-1                   | 1             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2493882-1                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448085-3                   | 2             | 27  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2448085-3                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2369406-4                   |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448084-4                   | 2             | 28  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2448084-4                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2476103-1                   | 1             | 32  | Copper - Full Active     | OSFP-IHS-Open  |             |           | 2476103-1                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 980-9IAL3-00X001            | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 980-9IAL3-00X001            |                 |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |             |           | 2369406-4                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-3                   | 2             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2485332-3                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-4                   | 2.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2485332-4                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-6                   | 3.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | 2485332-6                   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112E05.0-8ZB             | 5             | 25  | Copper - Full Active     | OSFP-IHS-Open  |             |           | F1F112E05.0-8ZB             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112X10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |             |           | F1F112X10.0-3YQ             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A05.0-8ZB             | 5             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | F1F112A05.0-8ZB             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A02.0-8ZB             | 2             | 30  | Copper - Linear Active   | OSFP-IHS-Open  |             |           | F1F112A02.0-8ZB             |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                  |         |                    |                  |                             |         |                      |
|------------------|---------|--------------------|------------------|-----------------------------|---------|----------------------|
| RNIC #1 - NVIDIA | 400 GbE | SWITCH #1 - NVIDIA | 400 GbE          | SWITCH #2 - Arista Networks | 400 GbE | RNIC #2 - NVIDIA     |
| BlueField-3      | Link    | SN5610             | Cable Under Test | DCS-7060X6-64PE             | Link    | ConnectX-7-NEAT-OSFP |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 08



| Company         | Part Number        | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1              | Switch #1       | Cable Under Test   | Switch | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|-----------------|--------------------|---------------|-----|------------------------|-----------------|----------------------|-----------------|--------------------|--------|----------------------|------------|------------|-------------|------------------------|----------------|
| Amphenol        | OP27PD8-10D        | 500           | N/A | Transceiver            | OSFP-IHS-Closed | ConnectX-7-NEAT-OSFP | DCS-7060X6-64PE | OP27PD8-10D        | SN5610 | ConnectX-7-WEAT-QSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | OP13PD8-005D       | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | OP13PD8-005D       |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMRU-0001        | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | NJMMRU-0001        |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Amphenol        | NJMMEP-0002        | 2             | 27  | Copper - Unequalized   | OSFP-IHS-Closed |                      |                 | NJMMEP-0002        |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | A8SMDN85ADLA1637   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SMDN85ADLA1637   | 50            | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | A8SMDN85ADLA1637   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | A8SNANQ8EDLA1714   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SNANQ8EDLA1714   | 500           | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | A8SNANQ8EDLA1714   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | A8SLBCQ8EDLA1485   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SLBCQ8EDLA1485   | 2000          | N/A | Transceiver            | OSFP-IHS-Closed |                      |                 | A8SLBCQ8EDLA1485   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |                 | A8SA9N30ADLA1628   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N30ADLA1628   | 30            | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |                 | A8SA9N30ADLA1628   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |                 | A8SA9N03ADLA1628   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| AOI             | A8SA9N03ADLA1628   | 3             | N/A | Fiber - Active         | OSFP-IHS-Open   |                      |                 | A8SA9N03ADLA1628   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-C20    | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | L45593-L880-C20    |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L880-B15    | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | L45593-L880-B15    |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| BizLink         | L45593-L1600-BKS1  | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | L45593-L1600-BKS1  |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |                      |                 | CAC83X321A1A-C2-HW |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo           | CAC83X321A1A-C2-HW | 7             | 32  | Copper - Full Active   | OSFP-IHS-Closed |                      |                 | CAC83X321A1A-C2-HW |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-AZZ1B-EF   | 0.5           | 28  | Copper - Unequalized   | OSFP-IHS-Closed |                      |                 | CUKKP82-AZZ1B-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-1ZZ1B-EF   | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |                 | CUKKP82-1ZZ1B-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1C-EF   | 1.2           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |                 | CUKKP82-BZZ1C-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP82-BZZ1B-EF   | 1.5           | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |                 | CUKKP82-BZZ1B-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP75-1ZZ10-EF   | 1             | 32  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | CUKKP75-1ZZ10-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-2ZZ10-EF   | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | CUKKP72-2ZZ10-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ11-EF   | 2.2           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | CUKKP72-CZZ11-EF   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics | CUKKP72-CZZ10-EF   | 2.5           | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | CUKKP72-CZZ10-EF   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-200-OC-OC-020B   | 2             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                      |                 | A-200-OC-OC-020B   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | A-100-OC-OC-030B   | 3             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                      |                 | A-100-OC-OC-030B   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo         | P-200-OC-OC-010B   | 1             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |                 | P-200-OC-OC-010B   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 08



| Company            | Part Number                 | Length Meters | AWG | Equalization             | Connector Type | RNIC #1              | Switch #1       | Cable Under Test            | Switch | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|-----------------------------|---------------|-----|--------------------------|----------------|----------------------|-----------------|-----------------------------|--------|----------------------|------------|------------|-------------|------------------------|----------------|
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  | ConnectX-7-NEAT-OSFP | DCS-7060X6-64PE | O-100-O-SR8                 | SN5610 | ConnectX-7-WEAT-QSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | O-100-O-SR8                 | 50            | N/A | Transceiver              | OSFP-IHS-Open  |                      |                 | O-100-O-SR8                 |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-030B             | 3             | 30  | Copper - Limiting Active | OSFP-IHS-Open  |                      |                 | E1-100-O-O-030B             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | E1-100-O-O-050B             | 5             | 28  | Copper - Limiting Active | OSFP-IHS-Open  |                      |                 | E1-100-O-O-050B             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-200-OC-OC-030B            | 3             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | A-200-OC-OC-030B            |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | A-100-OC-OC-040B            | 4             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | A-100-OC-OC-040B            |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM0C MMS4X00-NV | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |                 | 980-9I30G-00NM0C MMS4X00-NV |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I30G-00NM0C MMS4X00-NV | 500           | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |                 | 980-9I30G-00NM0C MMS4X00-NV |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS0C MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |                 | 980-9I510-00NS0C MMA4Z00-NS |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I510-00NS0C MMA4Z00-NS | 50            | N/A | Fiber - Active           | OSFP-IHS-Open  |                      |                 | 980-9I510-00NS0C MMA4Z00-NS |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T88D8EFN000DZZ              | 500           | N/A | Transceiver              | OSFP-IHS-Open  |                      |                 | T88D8EFN000DZZ              |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T8E8NHFN100DZZ              | 50            | N/A | Transceiver              | OSFP-IHS-Open  |                      |                 | T8E8NHFN100DZZ              |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-2                   | 1.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | 2493882-2                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2493882-1                   | 1             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | 2493882-1                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448085-3                   | 2             | 27  | Copper - Unequalized     | OSFP-IHS-Open  |                      |                 | 2448085-3                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |                      |                 | 2369406-4                   |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2448084-4                   | 2             | 28  | Copper - Unequalized     | OSFP-IHS-Open  |                      |                 | 2448084-4                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2476103-1                   | 1             | 32  | Copper - Full Active     | OSFP-IHS-Open  |                      |                 | 2476103-1                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 980-9IAL3-00X001            | 1             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |                      |                 | 980-9IAL3-00X001            |        |                      | 8          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2369406-4                   | 2             | 26  | Copper - Unequalized     | OSFP-IHS-Open  |                      |                 | 2369406-4                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-3                   | 2             | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | 2485332-3                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-4                   | 2.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | 2485332-4                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2485332-6                   | 3.5           | 26  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | 2485332-6                   |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112E05.0-8ZB             | 5             | 25  | Copper - Full Active     | OSFP-IHS-Open  |                      |                 | F1F112E05.0-8ZB             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112X10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |                      |                 | F1F112X10.0-3YQ             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A05.0-8ZB             | 5             | 25  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | F1F112A05.0-8ZB             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112A02.0-8ZB             | 2             | 30  | Copper - Linear Active   | OSFP-IHS-Open  |                      |                 | F1F112A02.0-8ZB             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1F112L10.0-3YQ             | 10            | N/A | Transceiver              | OSFP-IHS-Open  |                      |                 | F1F112L10.0-3YQ             |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                      |         |                    |                  |                    |         |                      |
|----------------------|---------|--------------------|------------------|--------------------|---------|----------------------|
| RNIC #1 - NVIDIA     | 400 GbE | SWITCH #1 - NVIDIA | 400 GbE          | SWITCH #2 - NVIDIA | 400 GbE | RNIC #2 - NVIDIA     |
| ConnectX-7-NEAT-OSFP | Link    | DCS-7060X6-64PE    | Cable Under Test | SN5610             | Link    | ConnectX-7-WEAT-QSFP |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 01



| Company      | Part Number                       | Length Meters | AWG | Equalization         | Connector Type | RNIC #1 - Nvidia     | Cable UnderTest                   | RNIC #2 - Nvidia     | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------|-----------------------------------|---------------|-----|----------------------|----------------|----------------------|-----------------------------------|----------------------|------------|------------|-------------|------------------------|----------------|
| BizLink      | L45593-L887-C10                   | 1             | 28  | Copper - Unequalized | OSFP-RHS       | ConnectX-7-NEAT-OSFP | L45593-L887-C10                   | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink      | L45593-L887-C20                   | 2             | 28  | Copper - Unequalized | OSFP-RHS       |                      | L45593-L887-C20                   |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| BizLink      | L45593-L887-C15                   | 1.5           | 28  | Copper - Unequalized | OSFP-RHS       |                      | L45593-L887-C15                   |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind. | RINFATFAT20002                    | 2             | 28  | Copper - Unequalized | OSFP-RHS       |                      | RINFATFAT20002                    |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind. | RINFATFAT30002                    | 3             | 28  | Copper - Unequalized | OSFP-RHS       |                      | RINFATFAT30002                    |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| NVIDIA       | 980-9I51S-00NS00<br>MMA4Z00-NS400 | 5             | N/A | Transceiver          | OSFP-RHS       |                      | 980-9I51S-00NS00<br>MMA4Z00-NS400 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| NVIDIA       | 980-9I51S-00NS00<br>MMA4Z00-NS400 | 5             | N/A | Transceiver          | OSFP-RHS       |                      | 980-9I51S-00NS00<br>MMA4Z00-NS400 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc | T8E4NHFN000SZZ                    | 50            | N/A | Transceiver          | OSFP-RHS       |                      | T8E4NHFN000SZZ                    |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                      |         |                  |                      |
|----------------------|---------|------------------|----------------------|
| RNIC #1 - NVIDIA     | 400 GbE | 400 GbE          | RNIC #2 - NVIDIA     |
| ConnectX-7-NEAT-OSFP | Link    | Cable Under Test | ConnectX-7-NEAT-OSFP |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 02



| Company            | Part Number                         | Length Meters | AWG | Equalization         | Connector Type | RNIC #1     | Cable Under Test                    | Switch          | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|-------------------------------------|---------------|-----|----------------------|----------------|-------------|-------------------------------------|-----------------|----------------------|------------|------------|-------------|------------------------|----------------|
| BizLink            | L45593-D880-C10                     | 1             | 28  | Copper - Unequalized | QSFP112        | BlueField-3 | L45593-D880-C10                     | DCS-7060DX5-64E | ConnectX-7-WEAT-QSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| Cisco Systems      | M425P1DA-xxx                        | 2000          | N/A | Transceiver          | QSFP112        |             | M425P1DA-xxx                        |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Cisco Systems      | M425P1DA-xxx                        | 2000          | N/A | Transceiver          | QSFP112        |             | M425P1DA-xxx                        |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF7TF7T10002                      | 1             | 28  | Copper - Unequalized | QSFP112        |             | RINF7TF7T10002                      |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF7TF7T20002                      | 2             | 28  | Copper - Unequalized | QSFP112        |             | RINF7TF7T20002                      |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF7TF7T30002                      | 3             | 28  | Copper - Unequalized | QSFP112        |             | RINF7TF7T30002                      |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CURDP74-AZZ01-EF                    | 1             | 30  | Copper - Unequalized | QSFP112        |             | CURDP74-AZZ01-EF                    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CURDP72-BZZ01-EF                    | 2             | 26  | Copper - Unequalized | QSFP112        |             | CURDP72-BZZ01-EF                    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CURDP72-CZZ00-EF                    | 2.5           | 26  | Copper - Unequalized | QSFP112        |             | CURDP72-CZZ00-EF                    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I693-F4NS00<br>MMA1Z00-NS400-T | 50            | N/A | Fiber - Active       | QSFP112        |             | 980-9I693-F4NS00<br>MMA1Z00-NS400-T |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Nvidia             | 980-9I693-F4NS00<br>MMA1Z00-NS400-T | 50            | N/A | Fiber - Active       | QSFP112        |             | 980-9I693-F4NS00<br>MMA1Z00-NS400-T |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| OPTOMIND Inc       | T4Y4N8GA000AZZ                      | 50            | N/A | Transceiver          | QSFP112        |             | T4Y4N8GA000AZZ                      |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | Q1Q112P02.0-8ZB                     | 2             | 26  | Copper - Unequalized | QSFP112        |             | Q1Q112P02.0-8ZB                     |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                  |                  |                          |         |                      |
|------------------|------------------|--------------------------|---------|----------------------|
| RNIC #1 - NVIDIA | 400 GbE          | SWITCH - Arista Networks | 400 GbE | RNIC #2 - NVIDIA     |
| BlueField-3      | Cable Under Test | DCS-7060DX5-64E          | Link    | ConnectX-7-WEAT-QSFP |





# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 12



| Company            | Part Number        | Length Meters | AWG | Equalization         | Connector Type  | RNIC #1              | Switch #1 | Cable Under Test   | Switch #2       | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|--------------------|---------------|-----|----------------------|-----------------|----------------------|-----------|--------------------|-----------------|----------------------|------------|------------|-------------|------------------------|----------------|
| BizLink            | L45593-L837-C20    | 2             | 28  | Copper - Unequalized | OSFP-IHS-Open   | ConnectX-7-WEAT-QSFP | SN5610    | L45593-L837-C20    | DCS-7060DX5-64E | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO, Ind.      | RINF9TF7210002     | 1             | 28  | Copper - Unequalized | OSFP-IHS-Open   |                      |           | RINF9TF7210002     |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO, Ind.      | RINF9TF7220002     | 2             | 28  | Copper - Unequalized | OSFP-IHS-Open   |                      |           | RINF9TF7220002     |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO, Ind.      | AINCF9FCL50TT1     | 50            | N/A | Fiber - Active       | OSFP-IHS-Closed |                      |           | AINCF9FCL50TT1     |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo              | CAC825321A2N-C1-HW | 7             | 32  | Copper - Full Active | OSFP-IHS-Closed |                      |           | CAC825321A2N-C1-HW |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo              | CAC825321A2N-C1-HW | 7             | 32  | Copper - Full Active | OSFP-IHS-Closed |                      |           | CAC825321A2N-C1-HW |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | P-100-OC-2Q-030B   | 3             | 25  | Copper - Unequalized | OSFP-IHS-Open   |                      |           | P-100-OC-2Q-030B   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | P-100-OC-2Q-020B   | 2             | 25  | Copper - Unequalized | OSFP-IHS-Open   |                      |           | P-100-OC-2Q-020B   |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2475571-4          | 2             | 26  | Copper - Unequalized | OSFP-IHS-Closed |                      |           | 2475571-4          |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1D112P02.0-8ZB    | 2             | 26  | Copper - Unequalized | OSFP-IHS-Open   |                      |           | F1D112P02.0-8ZB    |                 |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                      |         |                    |                  |                             |         |                      |
|----------------------|---------|--------------------|------------------|-----------------------------|---------|----------------------|
| RNIC #1 - NVIDIA     | 400 GbE | SWITCH #1 - NVIDIA | 400 GbE          | SWITCH #2 - Arista Networks | 400 GbE | RNIC #2 - NVIDIA     |
| ConnectX-7-WEAT-QSFP | Link    | SN5610             | Cable Under Test | DCS-7060DX5-64E             | Link    | ConnectX-7-NEAT-OSFP |



# IBTA PF42 RoCE Interoperability

## 400 Gigabit Ethernet

### Scenario 13



| Company            | Part Number        | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1              | Cable Under Test   | Switch | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|--------------------|---------------|-----|------------------------|-----------------|----------------------|--------------------|--------|----------------------|------------|------------|-------------|------------------------|----------------|
| Amphenol           | NND1DQ-0003        | 3             | DAC | Copper - Unequalized   | OSFP-IHS-Open   | ConnectX-7-NEAT-OSFP | NND1DQ-0003        | SN5610 | ConnectX-7-NEAT-OSFP | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF9TFA210002     | 1             | DAC | Copper - Unequalized   | OSFP-IHS-Open   |                      | RINF9TFA210002     |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF9TFA220002     | 2             | DAC | Copper - Unequalized   | OSFP-IHS-Open   |                      | RINF9TFA220002     |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF9TFA230002     | 3             | DAC | Copper - Unequalized   | OSFP-IHS-Open   |                      | RINF9TFA230002     |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo              | CAC827321A2B-C1-HW | 7             | AEC | Copper - Full Active   | OSFP-IHS-Closed |                      | CAC827321A2B-C1-HW |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Credo              | CAC827321A2B-C1-HW | 7             | AEC | Copper - Full Active   | OSFP-IHS-Closed |                      | CAC827321A2B-C1-HW |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| Infraeo            | O-100-O-2OR-050    | 50            | AOC | Fiber - Active         | OSFP-IHS-Open   |                      | O-100-O-2OR-050    |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F2R112E04.0-8ZB    | 4             | AEC | Copper - Full Active   | OSFP-IHS-Open   |                      | F2R112E04.0-8ZB    |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |
| The Siemon Company | F2R112A05.0-8ZB    | 5             | ACC | Copper - Linear Active | OSFP-IHS-Open   |                      | F2R112A05.0-8ZB    |        |                      | 4          | 400        | Pass        | Pass                   | Pass           |

|                      |                  |                 |         |                      |
|----------------------|------------------|-----------------|---------|----------------------|
| RNIC #1 - NVIDIA     | 400 GbE          | Switch - NVIDIA | 400 GbE | RNIC #2 - NVIDIA     |
| ConnectX-7-NEAT-OSFP | Cable Under Test | SN5610          | Link    | ConnectX-7-NEAT-OSFP |



# IBTA PF42 RoCE Interoperability

## 200/400 Gigabit Ethernet

### Scenario 04



| Company            | Part Number      | Length Meters | AWG | Equalization           | Connector Type        | RNIC #1              | Switch #1 | Cable Under Test | Switch #2       | RNIC #2     | Link Width | Link Speed | Device Link | Open MPI IMB Testing | Overall Result |
|--------------------|------------------|---------------|-----|------------------------|-----------------------|----------------------|-----------|------------------|-----------------|-------------|------------|------------|-------------|----------------------|----------------|
| Infraeo            | P-100-OC-2Q-030B | 3             | 25  | Copper - Unequalized   | OSFP-IHS-Open         | ConnectX-7-NEAT-OSFP | MSN4700   | P-100-OC-2Q-030B | DCS-7060X6-64PE | BlueField-3 | 4          | 200        | Pass        | Pass                 | Pass           |
| Infraeo            | A-50-OC-2Q-040B  | 4             | 30  | Copper - Linear Active | OSFP-IHS-Open         |                      |           | A-50-OC-2Q-040B  |                 |             | 4          | 200        | Pass        | Pass                 | Pass           |
| Infraeo            | P-100-OC-2Q-020B | 2             | 25  | Copper - Unequalized   | OSFP-IHS-Open         |                      |           | P-100-OC-2Q-020B |                 |             | 4          | 200        | Pass        | Pass                 | Pass           |
| Infraeo            | P-50-OC-2Q-020B  | 2             | 30  | Copper - Unequalized   | OSFP-IHS-Open         |                      |           | P-50-OC-2Q-020B  |                 |             | 4          | 200        | Pass        | Pass                 | Pass           |
| TE Connectivity    | 2475571-4        | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Closed       |                      |           | 2475571-4        |                 |             | 4          | 200        | Pass        | Pass                 | Pass           |
| TE Connectivity    | 2404508-2        | 1000          | N/A | Copper - Unequalized   | Hybrid - OSFP-QSFP-DD |                      |           | 2404508-2        |                 |             | 8          | 400        | Pass        | Pass                 | Pass           |
| The Siemon Company | F1D112P02.0-8ZB  | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open         |                      |           | F1D112P02.0-8ZB  |                 |             | 8          | 400        | Pass        | Pass                 | Pass           |
| The Siemon Company | F1D112A05.0-8ZB  | 5             | 26  | Copper - Linear Active | OSFP-IHS-Open         |                      |           | F1D112A05.0-8ZB  |                 |             | 8          | 400        | Pass        | Pass                 | Pass           |
| The Siemon Company | F2Q112A05.0-8ZB  | 5,0           | 25  | Copper - Linear Active | OSFP-IHS-Open         |                      |           | F2Q112A05.0-8ZB  |                 |             | 4          | 200        | Pass        | Pass                 | Pass           |

|                      |             |                    |                  |                    |             |                  |
|----------------------|-------------|--------------------|------------------|--------------------|-------------|------------------|
| RNIC #1 - NVIDIA     | 200/400 GbE | SWITCH #1 - NVIDIA | 200/400 GbE      | SWITCH #2 - Arista | 200/400 GbE | RNIC #2 - NVIDIA |
| ConnectX-7-NEAT-OSFP | Link        | MSN4700            | Cable Under Test | DCS-7060X6-64PE    | Link        | BlueField-3      |



# IBTA PF42 RoCE Interoperability

## 200 Gigabit Ethernet

### Scenario 03



| Company            | Part Number      | Length Meters | AWG | Equalization         | Connector Type | RNIC #1              | Switch #1       | Cable Under Test | Switch #2 | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|------------------|---------------|-----|----------------------|----------------|----------------------|-----------------|------------------|-----------|----------------------|------------|------------|-------------|------------------------|----------------|
| BizLink            | L45593-K881-C20  | 2             | 28  | Copper - Unequalized | QSFP-DD        | ConnectX-7-HEAT-QSFP | DCS-7060DX5-64E | L45593-K881-C20  | MSN4700   | ConnectX-7-HEAT-QSFP | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink            | L45593-D880-C10  | 1             | 28  | Copper - Unequalized | QSFP112        |                      |                 | L45593-D880-C10  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink            | L45593-K881-C15  | 1.5           | 28  | Copper - Unequalized | QSFP-DD        |                      |                 | L45593-K881-C15  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink            | L45593-K881-C30  | 3             | 28  | Copper - Unequalized | QSFP-DD        |                      |                 | L45593-K881-C30  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink            | L45593-K881-C25  | 2.5           | 28  | Copper - Unequalized | QSFP-DD        |                      |                 | L45593-K881-C25  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink            | L45593-K825-C20  | 2             | 28  | Copper - Unequalized | QSFP-DD        |                      |                 | L45593-K825-C20  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF7TF7T10002   | 1             | 28  | Copper - Unequalized | QSFP112        |                      |                 | RINF7TF7T10002   |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF7TF7T20002   | 2             | 28  | Copper - Unequalized | QSFP112        |                      |                 | RINF7TF7T20002   |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF7TF7T30002   | 3             | 28  | Copper - Unequalized | QSFP112        |                      |                 | RINF7TF7T30002   |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CU4EP75-01000-EF | 1             | 32  | Copper - Unequalized | QSFP-DD        |                      |                 | CU4EP75-01000-EF |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CURDP74-AZZ01-EF | 1             | 30  | Copper - Unequalized | QSFP112        |                      |                 | CURDP74-AZZ01-EF |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CURDP72-BZZ01-EF | 2             | 26  | Copper - Unequalized | QSFP112        |                      |                 | CURDP72-BZZ01-EF |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| FIT Electronics    | CURDP72-CZZ00-EF | 2.5           | 26  | Copper - Unequalized | QSFP112        |                      |                 | CURDP72-CZZ00-EF |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-100-QD-QD-015B | 1.5           | 26  | Copper - Unequalized | QSFP-DD        |                      |                 | P-100-QD-QD-015B |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | OL-100-Q-SR4     | 50            | N/A | Transceiver          | QSFP112        |                      |                 | OL-100-Q-SR4     |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | OL-100-Q-SR4     | 50            | N/A | Transceiver          | QSFP112        |                      |                 | OL-100-Q-SR4     |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-100-QD-QD-020B | 2             | 26  | Copper - Unequalized | QSFP-DD        |                      |                 | P-100-QD-QD-020B |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-50-QD-2Q-030B  | 3             | 27  | Copper - Unequalized | QSFP-DD        |                      |                 | P-50-QD-2Q-030B  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-50-QD-2Q-020B  | 2             | 30  | Copper - Unequalized | QSFP-DD        |                      |                 | P-50-QD-2Q-020B  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | OL-50-QD-2Q-050  | 5             | N/A | Fiber - Active       | QSFP-DD        |                      |                 | OL-50-QD-2Q-050  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2490721-5        | 1.2           | 30  | Copper - Unequalized | QSFP-DD        |                      |                 | 2490721-5        |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2409709-2        | 1.5           | 28  | Copper - Unequalized | QSFP-DD        |                      |                 | 2409709-2        |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| The Siemon Company | Q1Q112P02.0-8ZB  | 2             | 26  | Copper - Unequalized | QSFP112        |                      |                 | Q1Q112P02.0-8ZB  |           |                      | 4          | 200        | Pass        | Pass                   | Pass           |

|                      |         |                             |                  |                    |         |                      |
|----------------------|---------|-----------------------------|------------------|--------------------|---------|----------------------|
| RNIC #1 - NVIDIA     | 200 GbE | SWITCH #1 - Arista Networks | 200 GbE          | SWITCH #2 - NVIDIA | 200 GbE | RNIC #2 - NVIDIA     |
| ConnectX-7-HEAT-QSFP | Link    | DCS-7060DX5-64E             | Cable Under Test | MSN4700            | Link    | ConnectX-7-HEAT-QSFP |



# IBTA PF42 RoCE Interoperability

## 200 Gigabit Ethernet

### Scenario 07



| Company            | Part Number      | Length Meters | AWG | Equalization           | Connector Type  | RNIC #1              | Switch #1 | Cable Under Test | Switch  | RNIC #2     | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|--------------------|------------------|---------------|-----|------------------------|-----------------|----------------------|-----------|------------------|---------|-------------|------------|------------|-------------|------------------------|----------------|
| CONNPRO,Ind.       | RINF9TF7210002   | 1             | 28  | Copper - Unequalized   | OSFP-IHS-Open   | ConnectX-7-HEAT-QSFP | SN5610    | RINF9TF7210002   | MSN4700 | BlueField-3 | 4          | 200        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF9TF7220002   | 2             | 28  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | RINF9TF7220002   |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| CONNPRO,Ind.       | RINF9TF7230002   | 3             | 28  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | RINF9TF7230002   |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-100-OC-2Q-030B | 3             | 25  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | P-100-OC-2Q-030B |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | A-50-OC-2Q-040B  | 4             | 30  | Copper - Linear Active | OSFP-IHS-Open   |                      |           | A-50-OC-2Q-040B  |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-100-OC-2Q-020B | 2             | 25  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | P-100-OC-2Q-020B |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| Infraeo            | P-50-OC-2Q-020B  | 2             | 30  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | P-50-OC-2Q-020B  |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| TE Connectivity    | 2475571-4        | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Closed |                      |           | 2475571-4        |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1D112P02.0-8ZB  | 2             | 26  | Copper - Unequalized   | OSFP-IHS-Open   |                      |           | F1D112P02.0-8ZB  |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| The Siemon Company | F1D112A05.0-8ZB  | 5             | 26  | Copper - Linear Active | OSFP-IHS-Open   |                      |           | F1D112A05.0-8ZB  |         |             | 4          | 200        | Pass        | Pass                   | Pass           |
| The Siemon Company | F2Q112A05.0-8ZB  | 5,0           | 25  | Copper - Linear Active | OSFP-IHS-Open   |                      |           | F2Q112A05.0-8ZB  |         |             | 4          | 200        | Pass        | Pass                   | Pass           |

|                      |         |                    |                  |                    |         |                  |
|----------------------|---------|--------------------|------------------|--------------------|---------|------------------|
| RNIC #1 - NVIDIA     | 200 GbE | SWITCH #1 - NVIDIA | 200 GbE          | SWITCH #2 - NVIDIA | 200 GbE | RNIC #2 - NVIDIA |
| ConnectX-7-HEAT-QSFP | Link    | SN5610             | Cable Under Test | MSN4700            | Link    | BlueField-3      |





# IBTA PF42 RoCE Interoperability

## 200 Gigabit Ethernet

### Scenario 14



| Company | Part Number     | Length Meters | AWG | Equalization         | Connector Type | RNIC #1              | Cable Under Test | Switch  | RNIC #2              | Link Width | Link Speed | Device Link | Open MPI + IMB Testing | Overall Result |
|---------|-----------------|---------------|-----|----------------------|----------------|----------------------|------------------|---------|----------------------|------------|------------|-------------|------------------------|----------------|
| BizLink | L45593-M881-C20 | 2             | 28  | Copper - Unequalized | QSFP-DD        | ConnectX-7-WEAT-QSFP | L45593-M881-C20  | MSN4700 | ConnectX-7-NEAT-OSFP | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink | L45593-M883-C15 | 1.5           | 28  | Copper - Unequalized | QSFP-DD        |                      | L45593-M883-C15  |         |                      | 4          | 200        | Pass        | Pass                   | Pass           |
| BizLink | L45593-M883-C10 | 1             | 28  | Copper - Unequalized | QSFP-DD        |                      | L45593-M883-C10  |         |                      | 4          | 200        | Pass        | Pass                   | Pass           |

|                      |                  |                 |         |                      |
|----------------------|------------------|-----------------|---------|----------------------|
| RNIC #1 - NVIDIA     | 200 GbE          | Switch - NVIDIA | 200 GbE | RNIC #2 - NVIDIA     |
| ConnectX-7-WEAT-QSFP | Cable Under Test | MSN4700         | Link    | ConnectX-7-NEAT-OSFP |