



40GBASE-T ARJ45 ICM

IEEE 802.3bq channel modeling Ad Hoc

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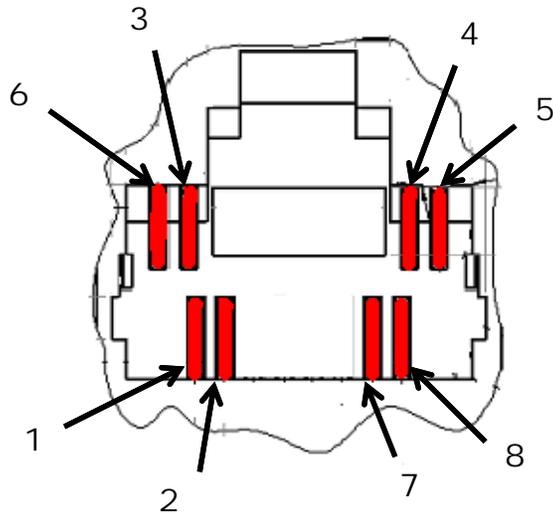
ICM (INTEGRATED CONNECTOR MODULE)



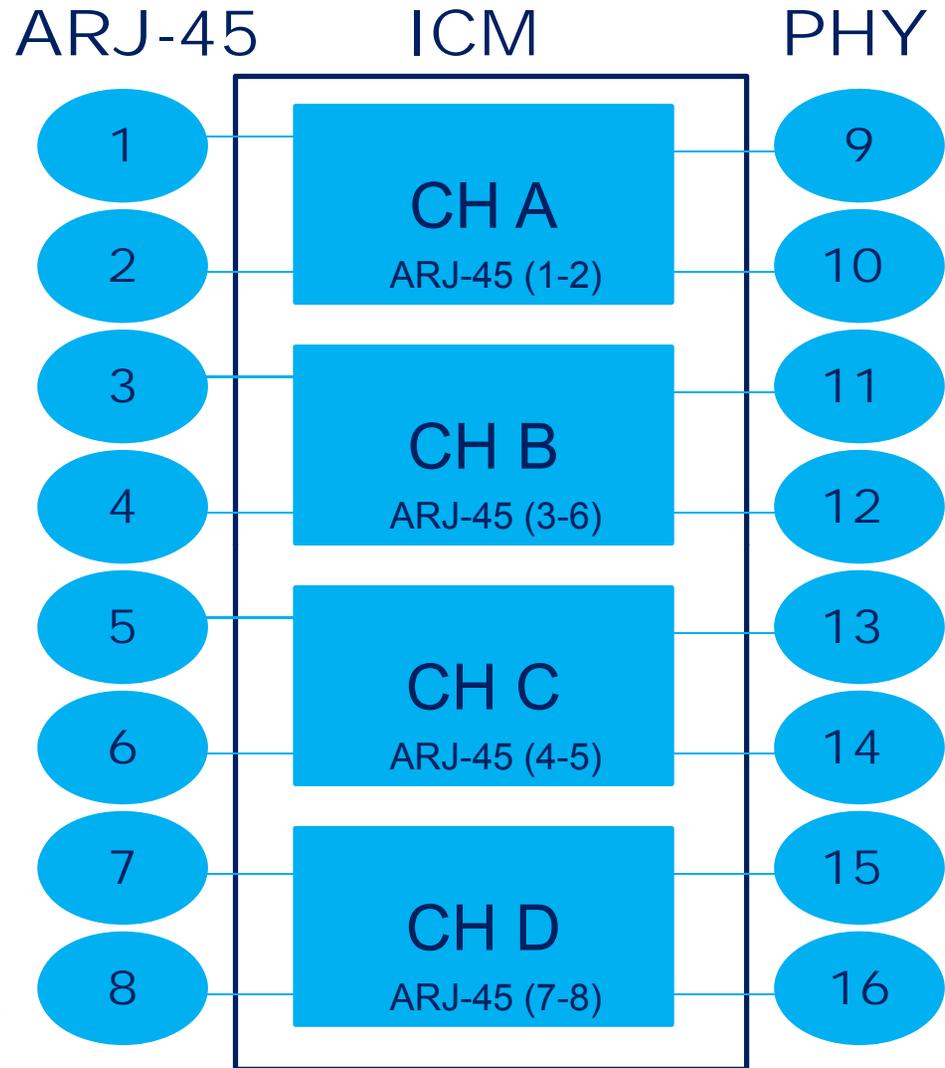
ARJ45 8-CONTACTS
Category 7A and 8.2

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Sixteen port model



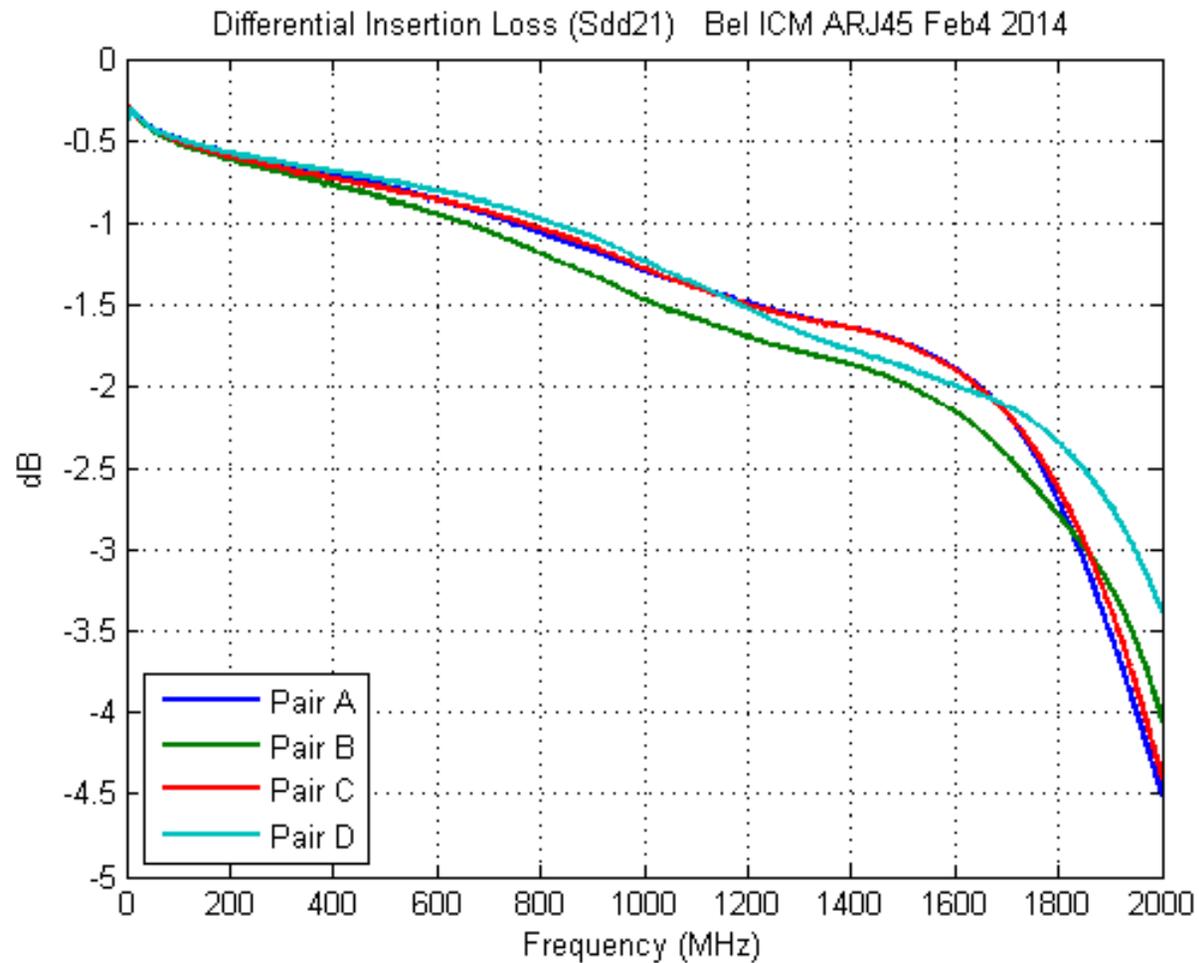
- VNA ports 1 and 2 are ARJ-45 side
- VNA ports 3 AND 4 are PHY side
- E5071C ENA used
- Measurements made @ 50 Ohms single ended
- Swept 1MHz TO 2GHz
- 1601 points used, maximum allowed by E5071C
- Current testing done on standard ARJ-45
- 2nd generation of 40G magnetic components to improve IL & RL



PORT NUMBERING PER ADHOC MODLE

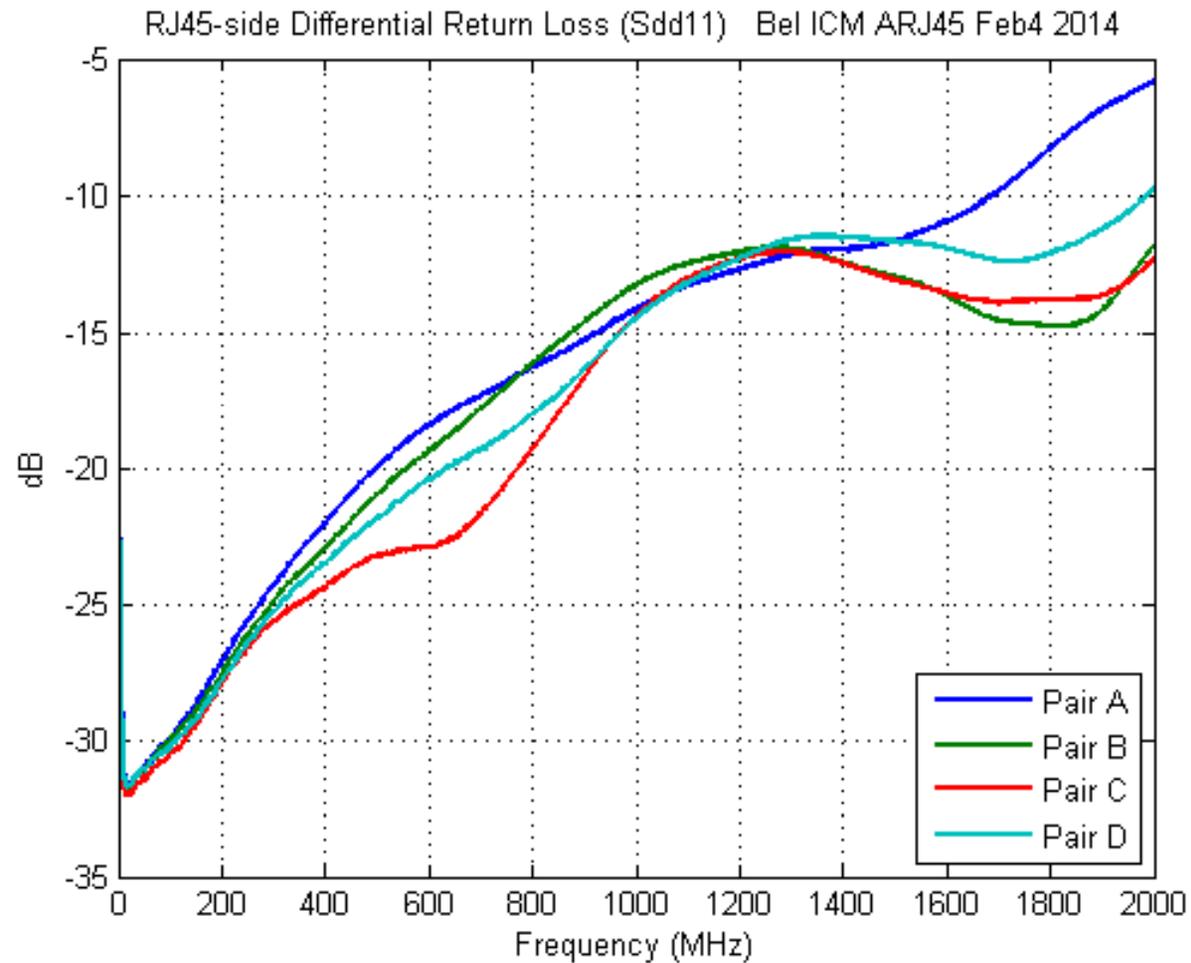
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Typical insertion loss



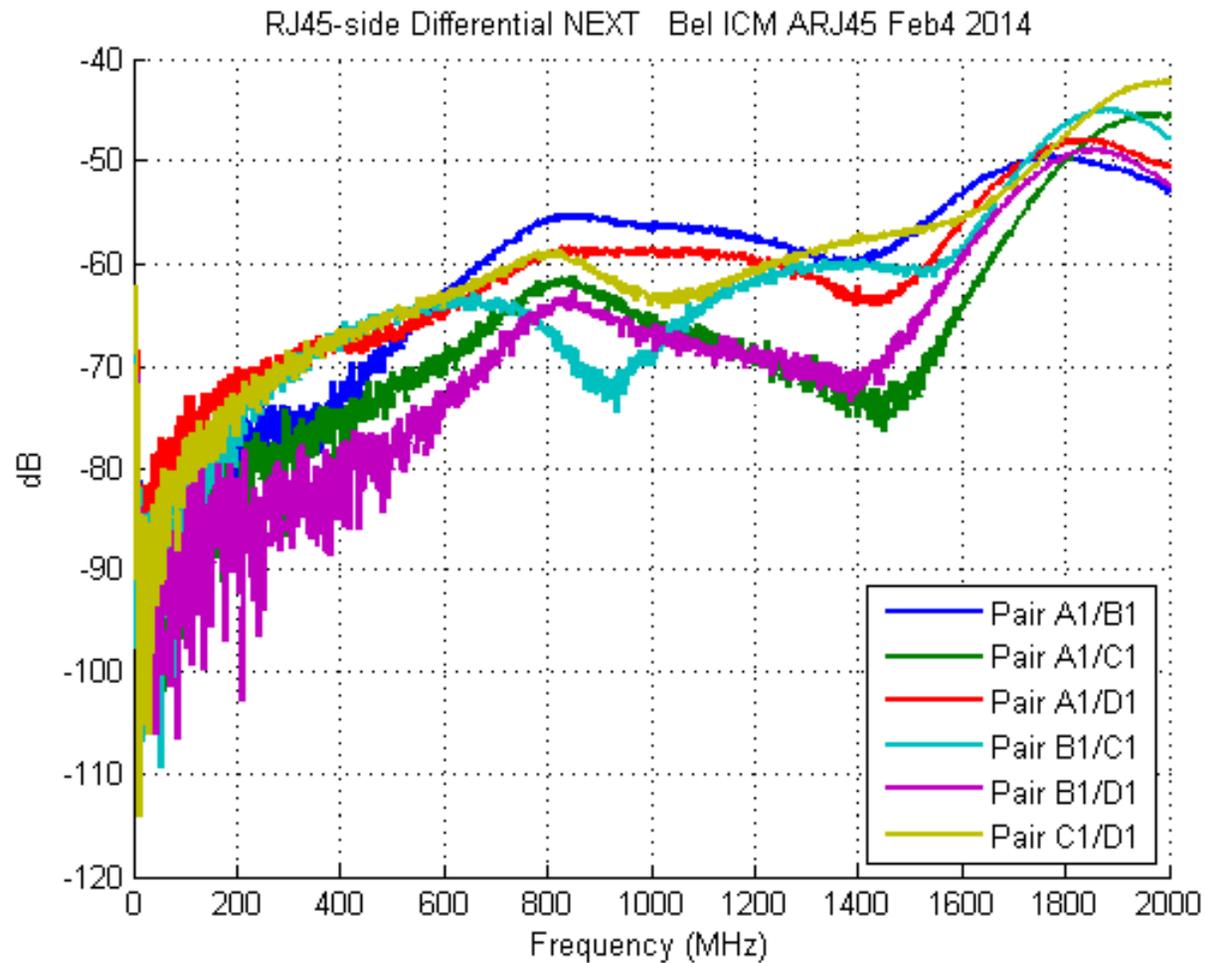
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Typical return loss



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Typical NEXT



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THANK YOU!

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