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# 40GBASE-T RJ45 ICM

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# I. 40G ICM Design

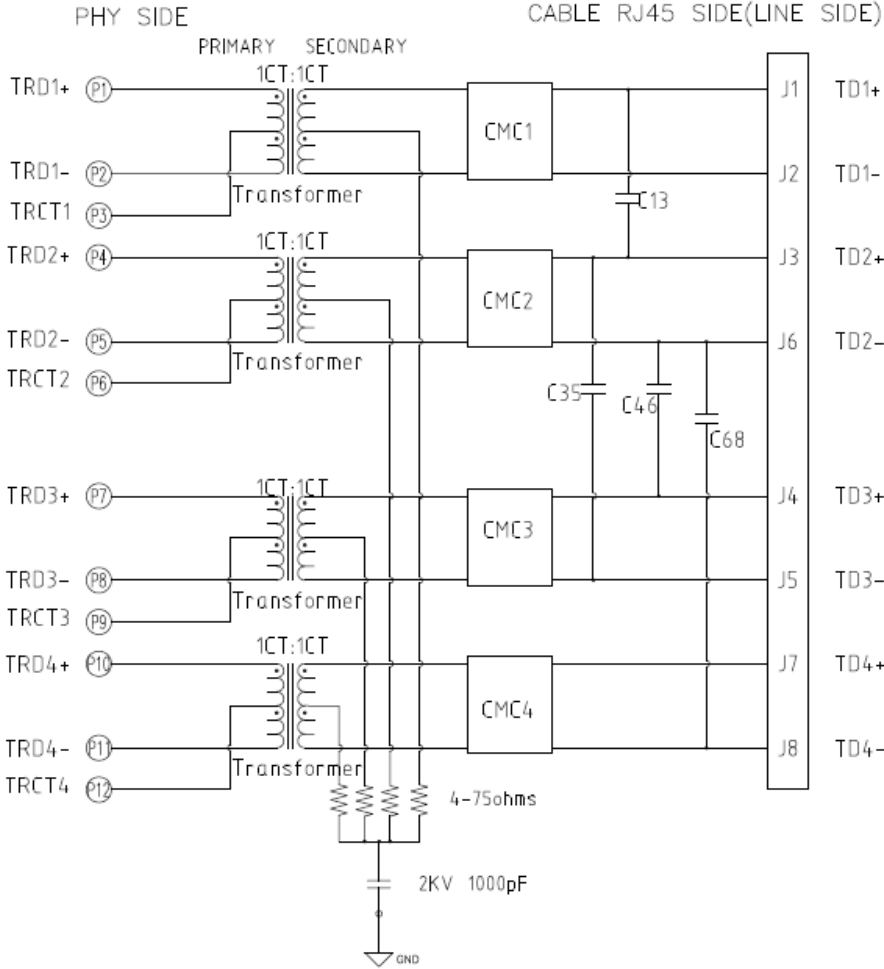
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- Keep current FCC RJ45 interface.
- Use optimized RJ45 contact design.



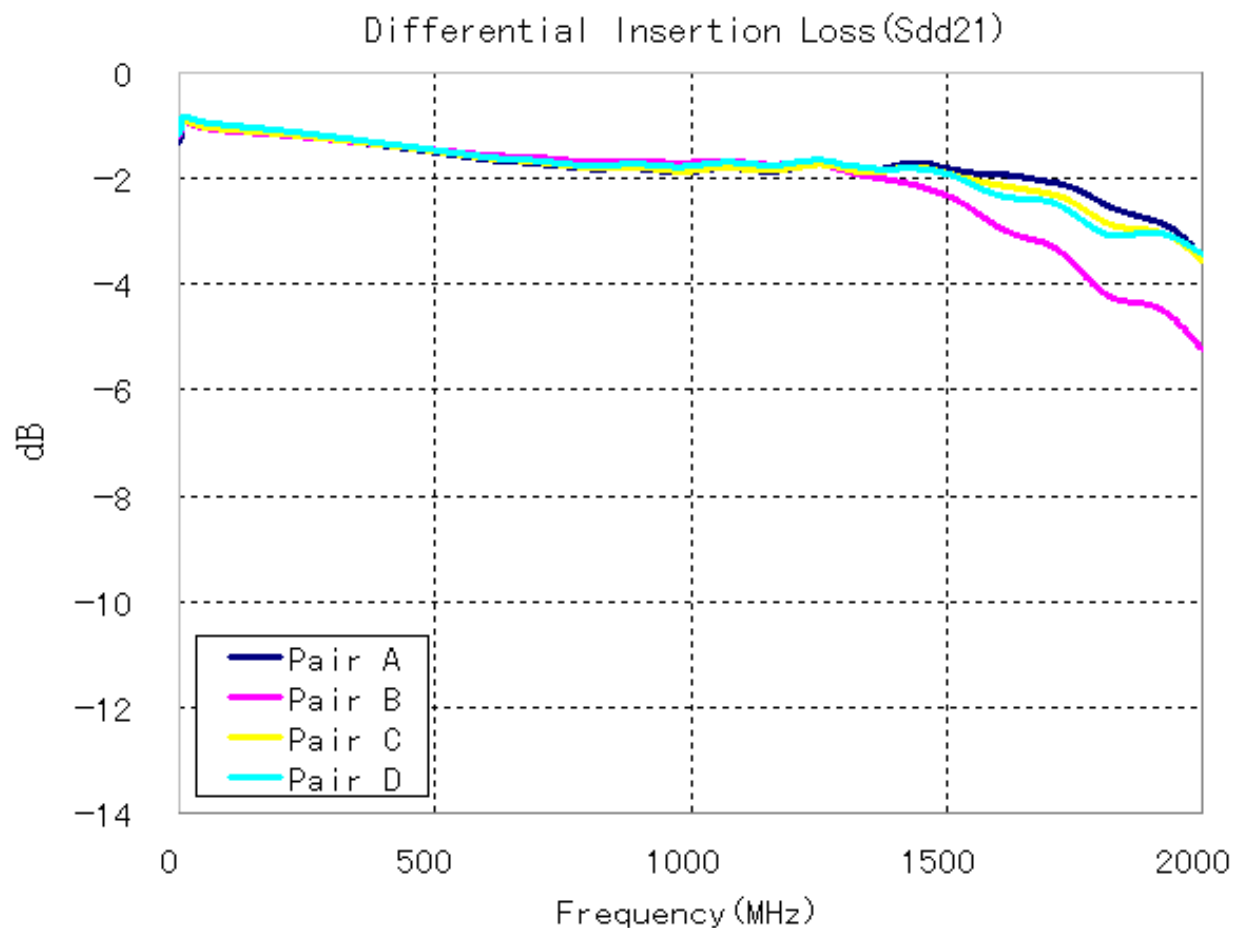
# II. ICM Test Setup

VNA Configuration	
VNA Model	E5071C ENA
Start Freq	1 MHz
Stop Freq	2 GHz
Measurement	50Ω, Single Ended
Port Configuration	
RJ-45 Side	Ports 1, 2
PHY Side	Ports 3, 4



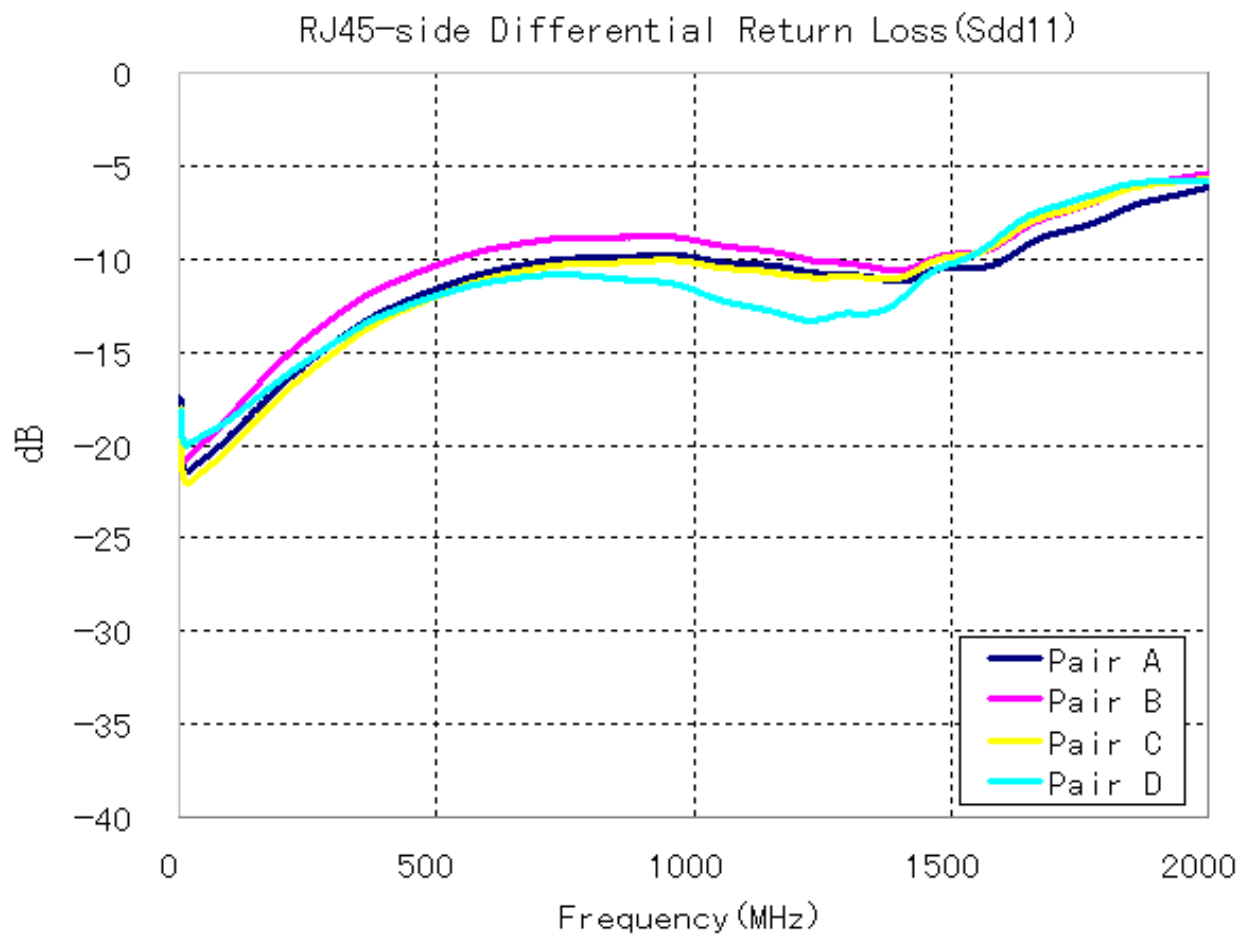
# III. ICM S-parameter test

## Typical Insertion Loss



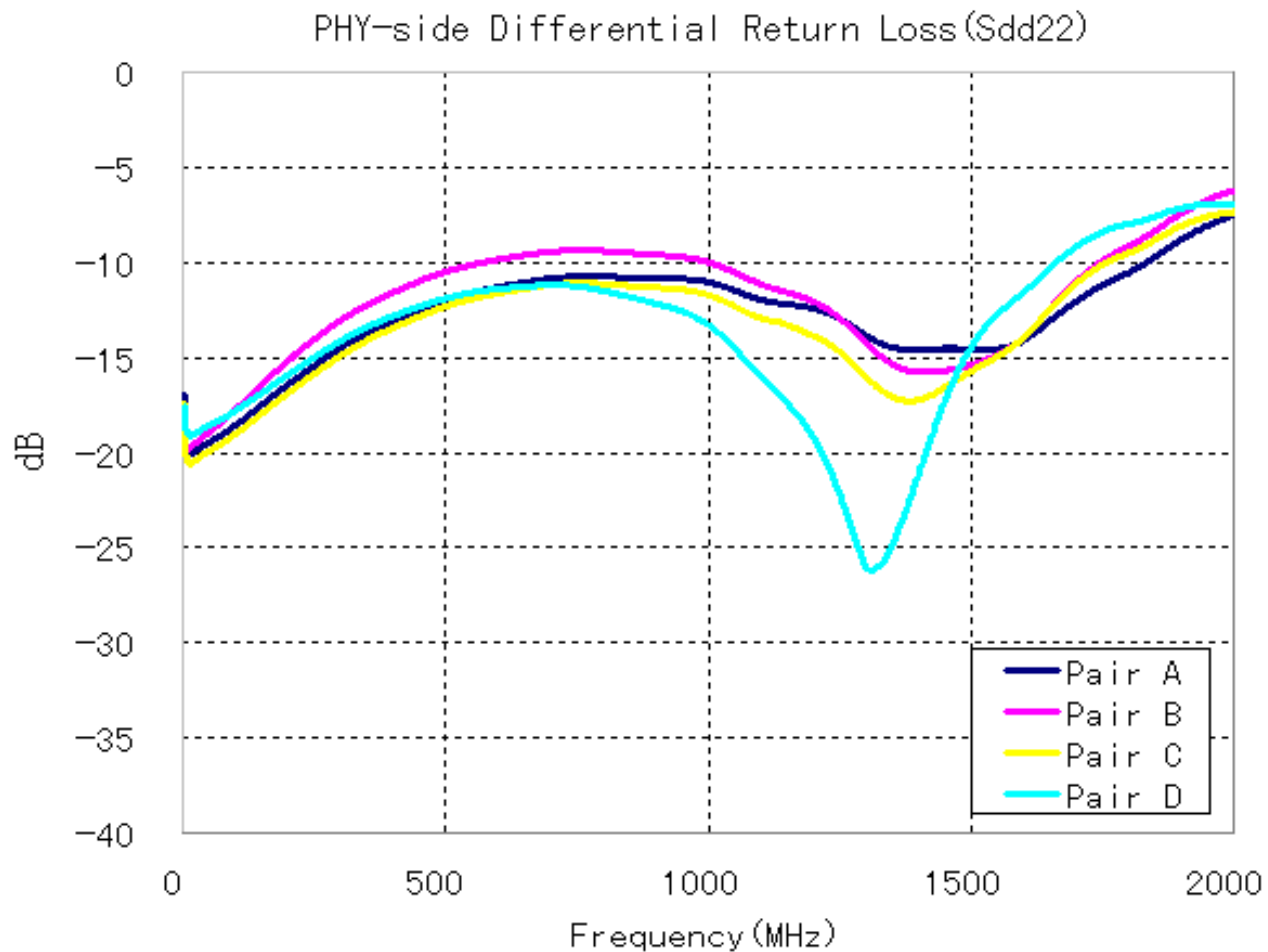
# III. ICM S-parameter test

## Typical Return Loss



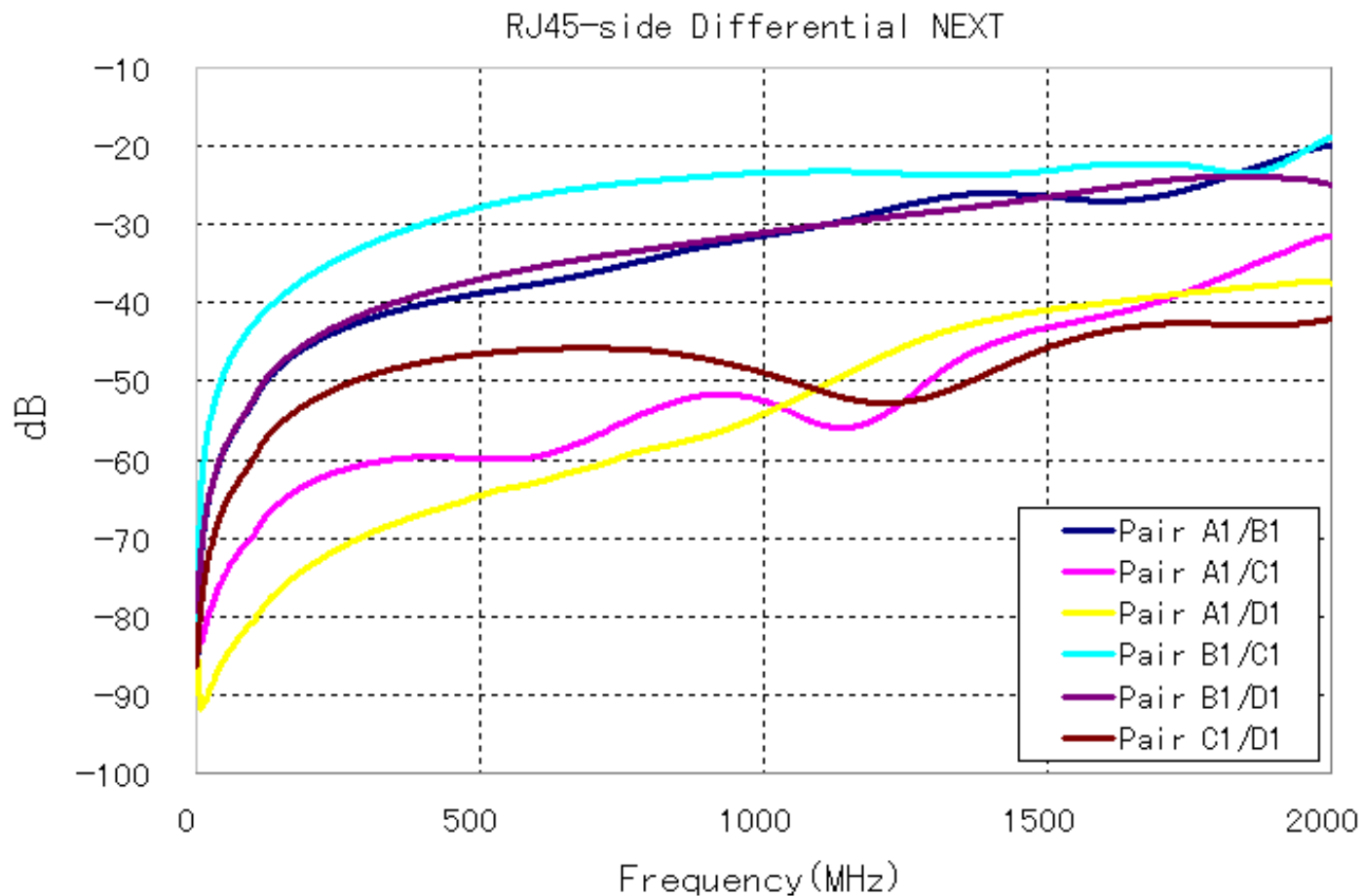
# III. ICM S-parameter test

## Typical Return Loss



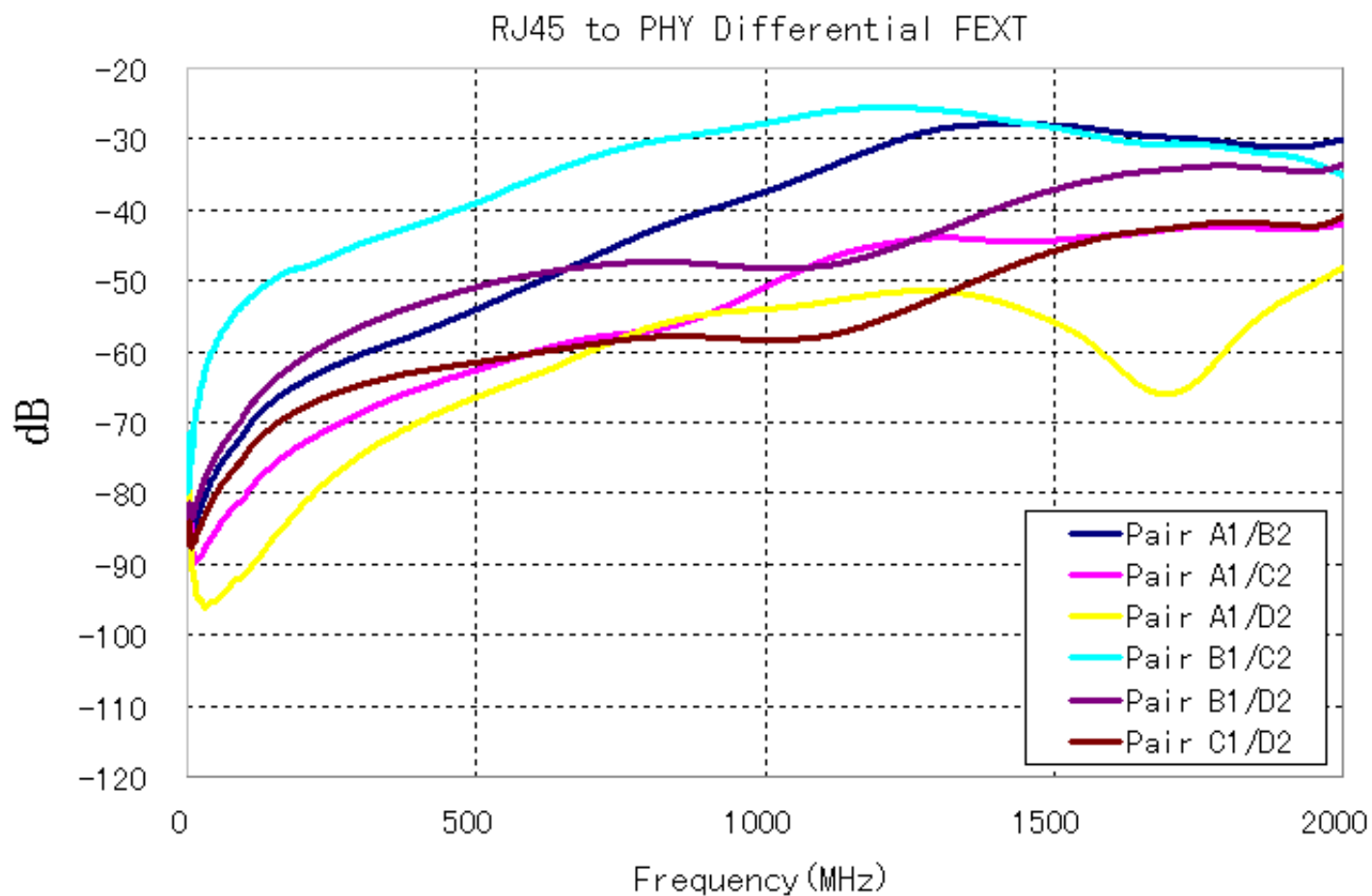
# III. ICM S-parameter test

## Typical NEXT



### III. ICM S-parameter test

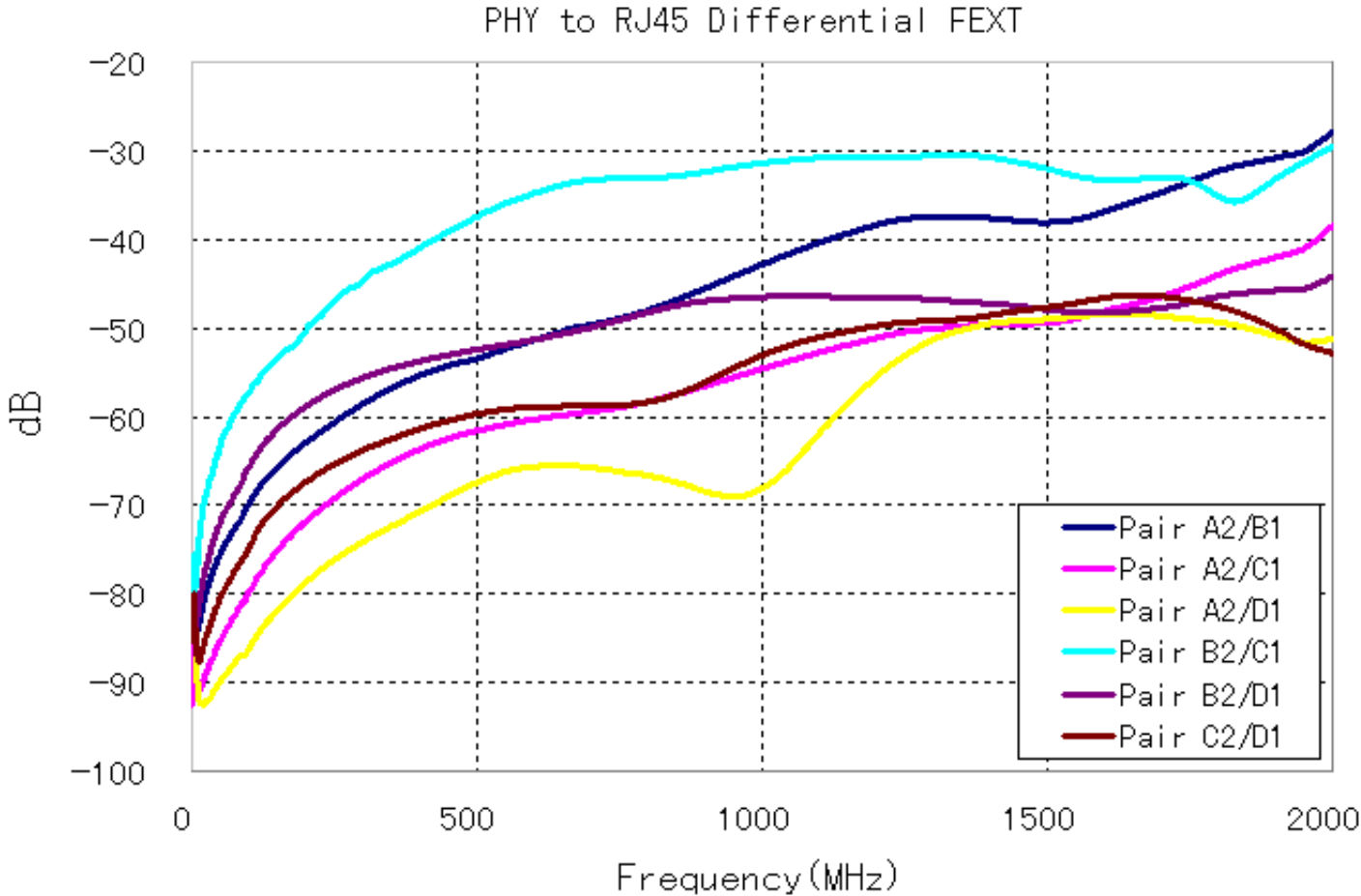
#### Typical FEXT





# III. ICM S-parameter test

## Typical FEXT



## IV. Other parameters

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- Meet IEEE HiPOT specification
- Backward compatible with 10G/1G standard RJ 45 configuration
- Compatible with 2xN high density port



Thanks!