

# USB Type-C ENGINEERING CHANGE NOTICE

**Title: Adapter Assembly Shielding Effectiveness**  
**Applied to: USB Type-C Cable and Connector Specification**  
**Release 1.2, March 25<sup>th</sup>, 2016**

<b>Brief description of the functional changes proposed:</b>
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The change proposed to the specification is the addition of a shielding effectiveness requirement for USB Type-C to USB 3.1 Standard-A Receptacle Adapter Assemblies.
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<b>Benefits as a result of the proposed changes:</b>
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As the result of this change, well designed adaptor assemblies can be differentiated from poorly-designed adaptor assemblies by comparison against the shielding effectiveness specification.
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<b>An assessment of the impact to the existing revision and systems that currently conform to the USB specification:</b>
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There may be several USB Type-C to USB 3.1 Standard-A Receptacle Adapter Assemblies that have poor cable shielding and do not meet the shielding effectiveness specification.
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<b>An analysis of the hardware implications:</b>
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N/A
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<b>An analysis of the software implications:</b>
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N/A
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<b>An analysis of the compliance testing implications:</b>
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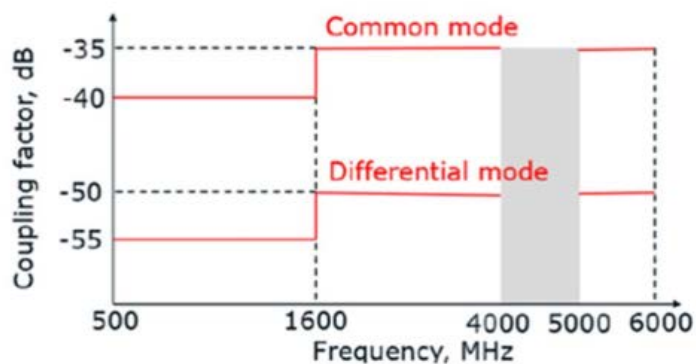
Measurement was done to evaluate the proposed change using compliance test fixture.
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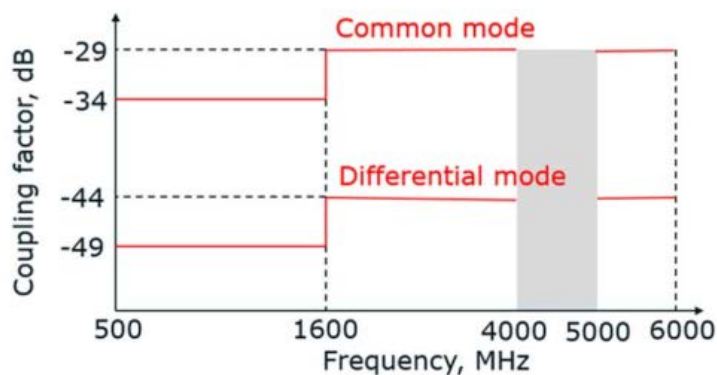
## Actual Change Requested

(a). Section 3.7.6, Page 97

From Figure 3-56



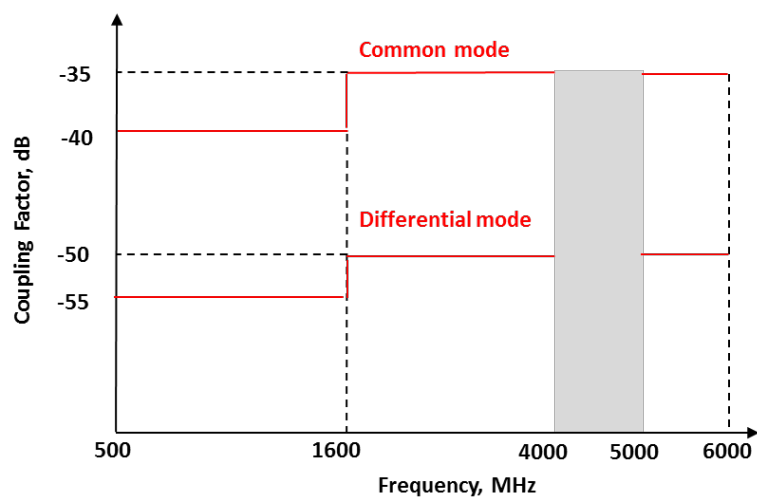
(a) For USB Type-C to USB Type-C Cable Assemblies



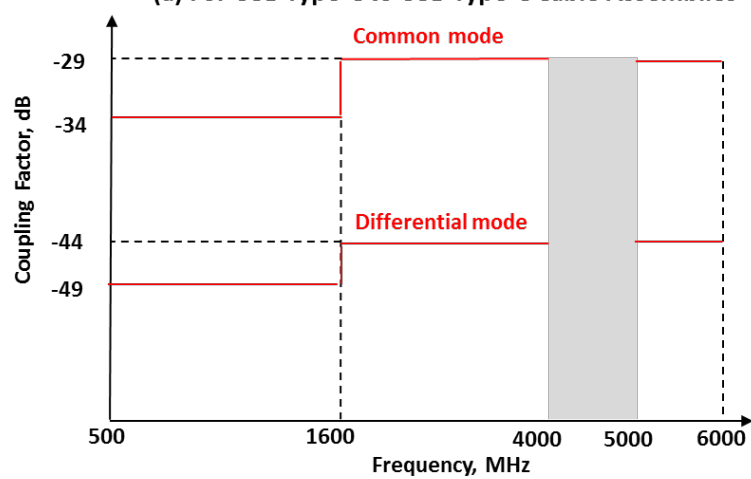
(b) For USB Type-C to legacy USB cable assemblies

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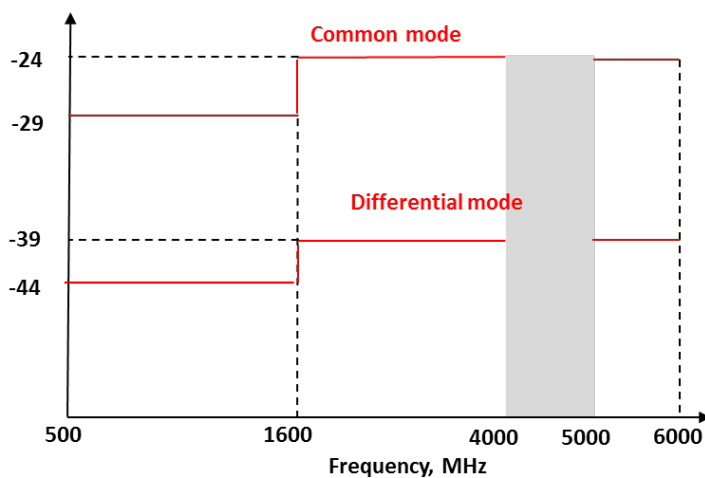
To Figure 3-56:



(a) For USB Type-C to USB Type-C Cable Assemblies



(b) For USB Type-C to legacy USB Cable Assemblies



(c) For USB Type-C to USB3.1 Standard-A Receptacle Adapter Assembly