

USB Type-C ENGINEERING CHANGE NOTICE

**Title: Cable Electrical Requirement Shielding Effectiveness
Spec change**

**Applied to: USB Type-C Specification Release 1.0, August 11,
2014**

Brief description of the functional changes:

Test data of type C to type C cable indicated the shielding effectiveness requirement is too tight in the specification. The changes relax the electrical criteria of the type-C to type C cable without significant impact on the system.
--

Benefits as a result of the changes:

As the result of the change, well designed cables have good change to meet the electrical requirements, while badly-designed cables will fail to meet the electrical requirement.

An assessment of the impact to the existing revision and systems that currently conform to the USB specification:
--

5 type C to type C cables from different companies were used in the assessment. None of 5 cables passed the requirement in the Spec. of the existing revision. Checked with the proposed change, 2 out of 5 cables met requirement.
--

An analysis of the hardware implications:
--

N/A

An analysis of the software implications:
--

N/A

An analysis of the compliance testing implications:
--

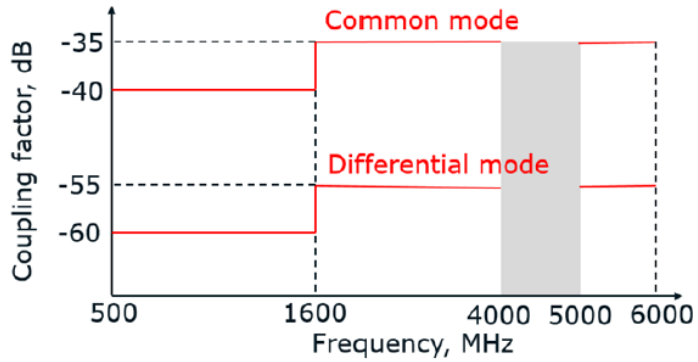
Measurement was done to evaluate the change using compliance test fixtures. Limits need to be changed per the update.

USB Type-C ENGINEERING CHANGE NOTICE

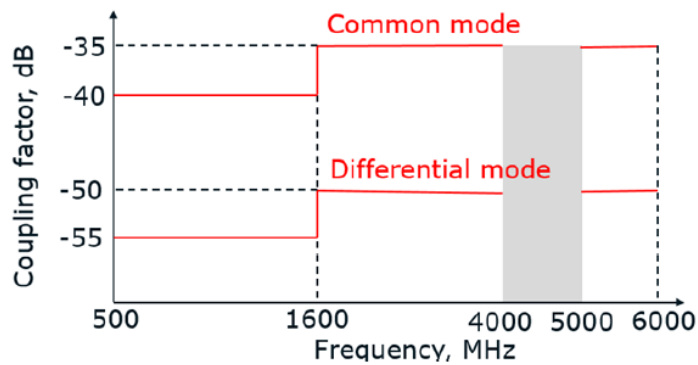
Actual Change

(a). Section 3.7.6, Page 90

From Figure 3-55



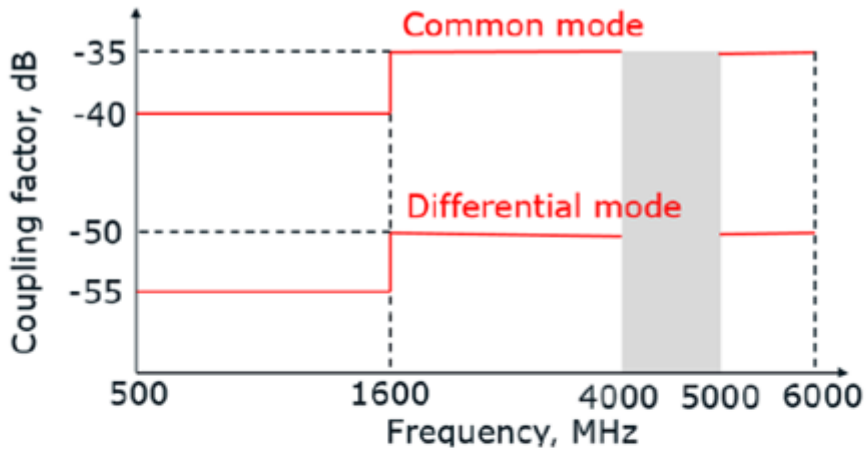
(a) For USB Type-C to USB Type-C Cable Assemblies



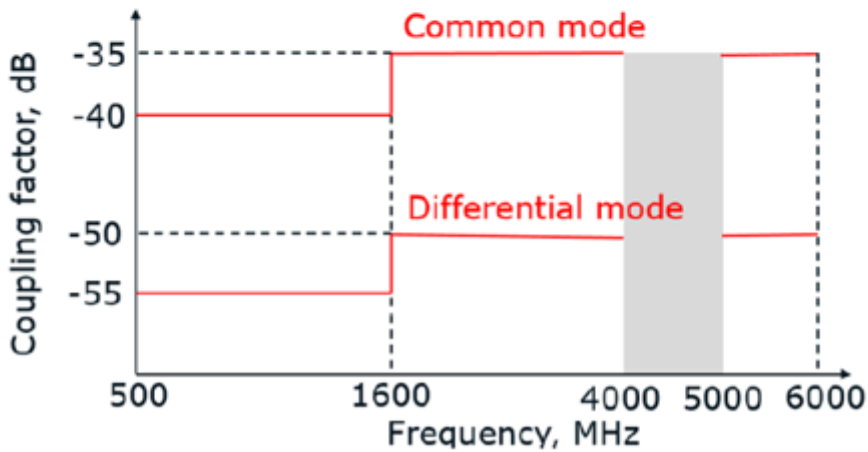
(b) For USB Type-C to legacy USB cable assemblies

USB Type-C ENGINEERING CHANGE NOTICE

To Figure 3-55:



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



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