USB Type-C ENGINEERING CHANGE NOTICE

Title: C to A cable electrical requirement
Applied to: USB Type-C Specification Release 1.1, April 3, 2015

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

Benefits as a result of the changes:
As the result of the change, well designed cables have a good chance to meet the electrical requirements, while bad-designed cable 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:
11 type C to type A cables from three companies were used in the assessment. None of 11 cables passed the requirement in the Spec. of the existing revision. Checked with the proposed change, 2 out of 11 cables met requirement.

An analysis of the hardware implications:
N/A

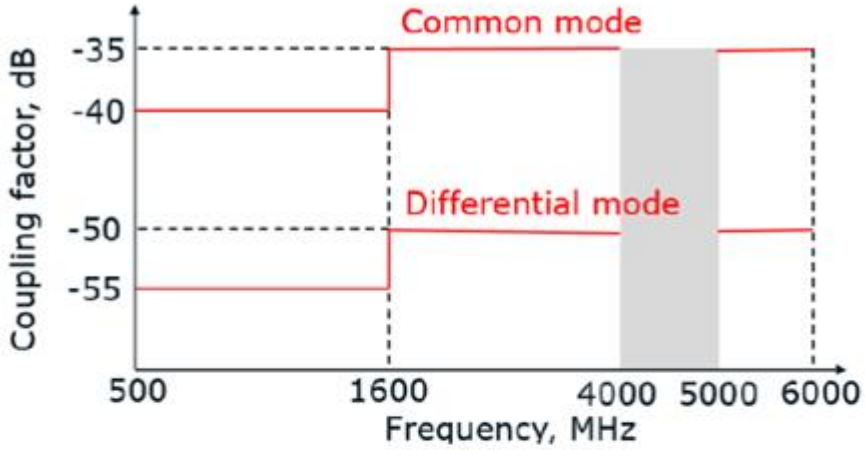
An analysis of the software implications:
N/A

An analysis of the compliance testing implications:
Measurement was done to evaluate the proposed change using compliance test fixture.

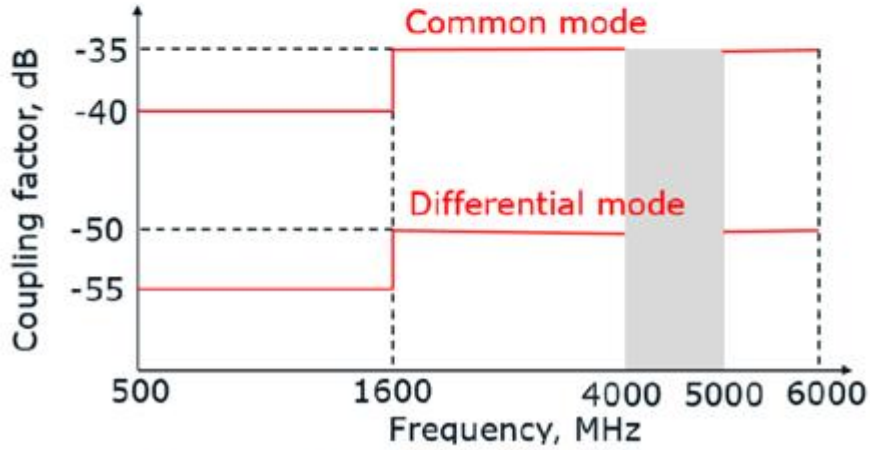
Actual Change

(a). Section 3.7.6, Page 90

From Figure 3-55

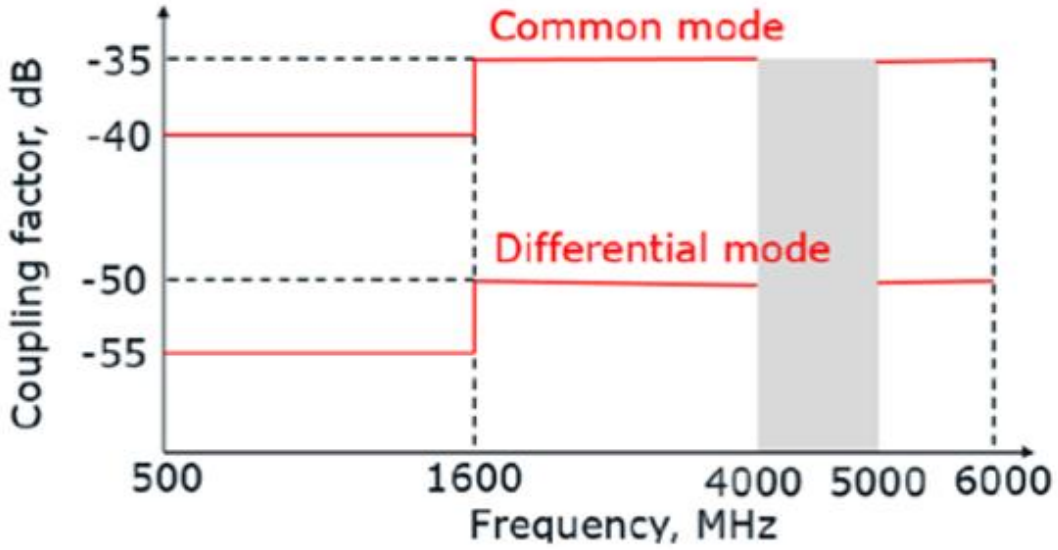


(a) For USB Type-C to USB Type-C Cable Assemblies

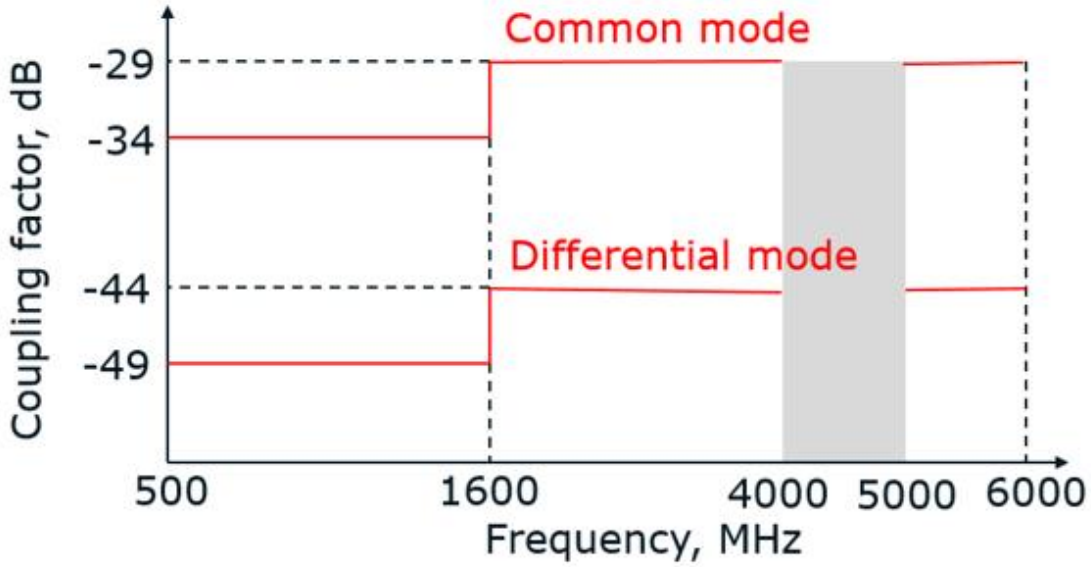


(b) For USB Type-C to legacy USB cable assemblies

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