

Corrections

Corrections to “Inductance Compensation of Multiple Capacitors with Application to Common- and Differential-Mode Filters”

Brandon J. Pierquet, *Student Member, IEEE*,
 Timothy C. Neugebauer, *Member, IEEE*, and
 David J. Perreault, *Senior Member, IEEE*

In the above paper [1], there were a number of errors, two graphics were incomplete, and the lower plots of Figs. 12 and 17 were not shown.

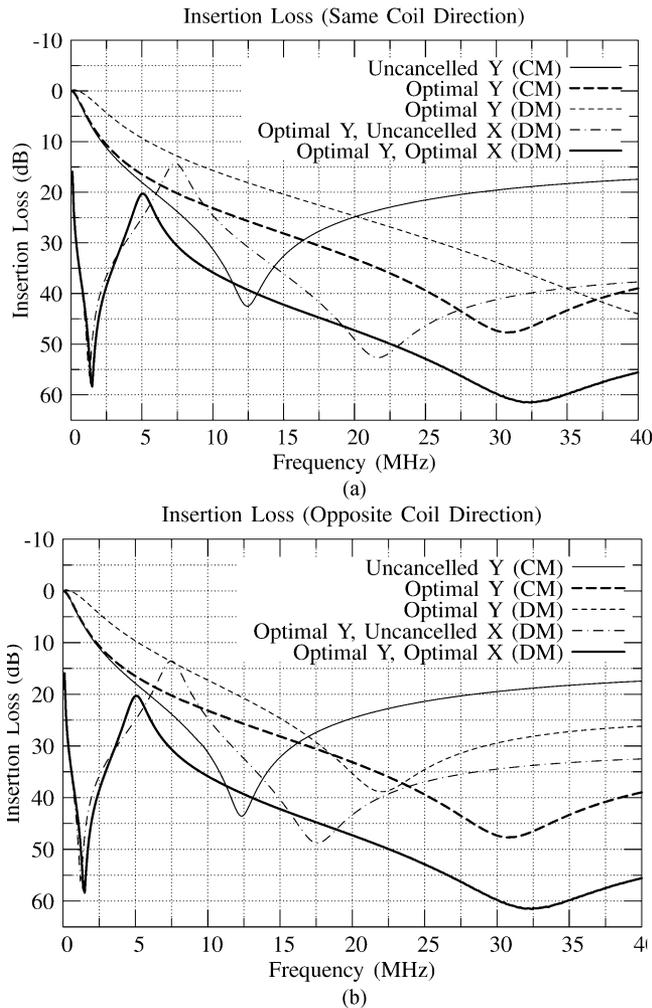


Fig. 12. Measured results from the coupled inductance compensation winding orientations of Fig. 10, including both CM and DM measurements.

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B. J. Pierquet and D. J. Perreault are with the Laboratory for Electromagnetic and Electronic Systems, Massachusetts Institute of Technology, Cambridge, MA 02139 USA.

T. C. Neugebauer is with the Charles Stark Draper Laboratory, Massachusetts Institute of Technology, Cambridge, MA 02139 USA (e-mail: pierquet@mit.edu).

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They are displayed here.

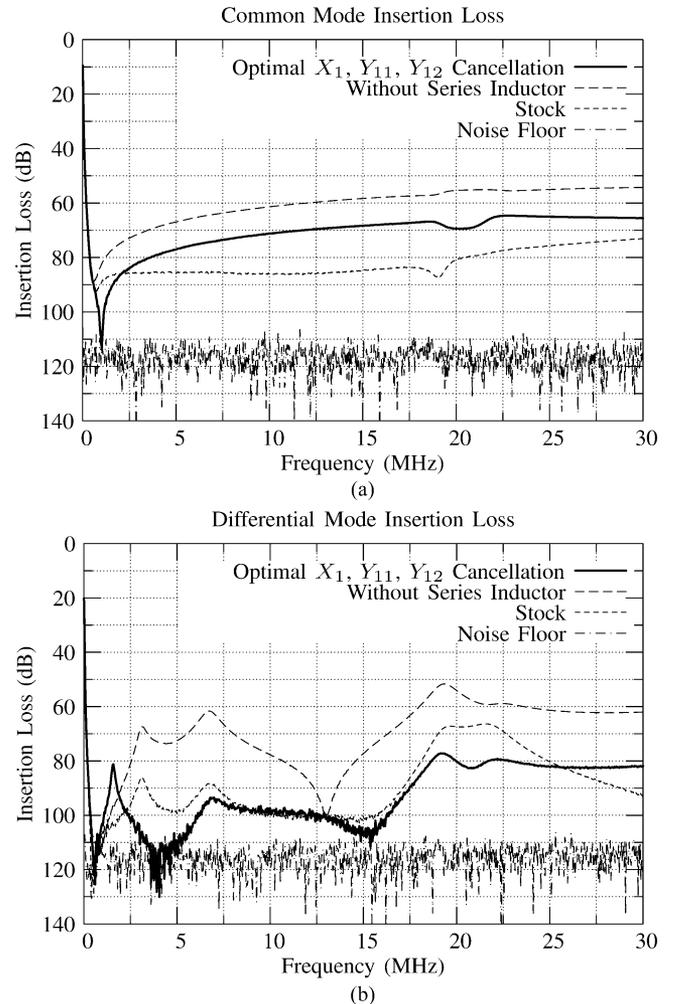


Fig. 17. Performance comparison of the commercially-available EMI filter in Fig. 14 and the modified version in Fig. 15, showing performance both without and with inductance compensation.

Four in-line equations should have been shown as follows:

On p. 1822, second column, third paragraph, third line, the equation should have read $Z_{Y_{CM}} = [R_Y + (j\omega C_Y)^{-1} + j\omega L_Y]/2$.

On p. 1822, second column, third paragraph, eighth line, the equation should have read $Z_{Y_{DM}} = 2[R_Y + (j\omega C_Y)^{-1} + j\omega L_Y]$.

On p. 1822, second column, third paragraph, ninth line, the equation should have read $Z_{X_{DM}} = R_X + (j\omega C_X)^{-1} + j\omega L_X$.

On p. 1823, first column, second paragraph, fifth line, the equation should have read $Z_{Y_{DM}} = 2[R_Y + (j\omega C_Y)^{-1} + j\omega(L_Y + 0.2L_Y)]$.

There was one graphic caption error:

In the caption of Fig. 19, “of Fig. 19” should have read “of Fig. 18(b).”

The following eleven text errors are noted:

On p. 1816, second column, first paragraph, line 3: “Fig. 6(a) and (b)” should have read “Fig. 5(a) and (b).”

On p. 1817, first column, third paragraph, third line: “insertion gain” should have read as “insertion-loss.”

On p. 1819, first column, second paragraph, first line: “Fig. 15(a) and (b) show” should have been “Fig. 14 shows.”

On p. 1819, first column, second paragraph, tenth line: “Fig. 16(a) and (b) show” should have been “Fig. 15 shows.”

On p. 1819, second column, third paragraph, second line: “In Fig. 6(a)” should have been “In Fig. 5(a).”

On p. 1821, first column, first paragraph, line 7: “in Fig. 19” should have been “in Fig. 18.”

On p. 1822, second column, fourth paragraph, line 3: “results do match” should have been “results do not match.”

On p. 1821, first column, third paragraph, first line: “Fig. 19 shows” should have been “Fig. 18(b) shows.”

On p. 1819, first column, second paragraph, 14th line: “coil in Figs. 7 and 16 was cut” should have been “coil in Fig. 7, the pattern in Fig. 16 was cut.”

On p. 1820, first column, second paragraph, seventh line: “of interest (Fig. 18).” should have been “of interest.”

On p. 1822, first column, third paragraph, third line: “DM performance (Figs. 21 and 22)” should have been shown as “DM performance.”

REFERENCES

- [1] B. J. Pierquet, T. C. Neugebauer, and D. J. Perreault, “Inductance compensation of multiple capacitors with application to common- and differential-mode filters,” *IEEE Trans. Power Electron.*, vol. 21, no. 6, pp. 1815–1824, Nov. 2006.