

# Comments and Corrections

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## Corrections to “Impact of the Modulation Chirp of a DEMZM on the Transmission of Signals Based on OFDM”

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In the above letter [1], equations (4) and (5) are incorrect, because the factor  $\gamma$  is missing in the  $\cos(\cdot)$  terms. We apologize for this error. The correct equations follow:

$$V_1 = 2 \frac{\gamma \cos(\pi V_{bias}/V_\pi) + \gamma^2 - \alpha \gamma \sin(\pi V_{bias}/V_\pi)}{2\gamma \cos(\pi V_{bias}/V_\pi) + 1 + \gamma^2} m V_\pi \quad (4)$$

$$V_2 = -2 \frac{\gamma \cos(\pi V_{bias}/V_\pi) + 1 + \alpha \gamma \sin(\pi V_{bias}/V_\pi)}{2\gamma \cos(\pi V_{bias}/V_\pi) + 1 + \gamma^2} m V_\pi. \quad (5)$$

This error does not have any impact on the results that have been presented, since the terms changed in equations (4) and (5) are null when the dual-electrode Mach-Zehnder modulator is biased at the quadrature point.

### REFERENCES

- [1] P. Almeida and H. Silva, “Impact of the modulation chirp of a DEMZM on the transmission of signals based on OFDM,” *IEEE Photon. Technol. Lett.*, vol. 25, no. 3, pp. 283–286, Feb. 1, 2013.

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