Corrections and Clarifications

Corrections and Clarifications to " On the Distribution of the Weighted Sum of L Independent Rician and Nakagami Envelopes in the Presence of AWGN"

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In the above paper [1], the following corrections and clarifications are necessary:

1. The w_k in (12) and (21) is the real part of the Gaussian noise complex representation. In the model described by (12) and (21), real Gaussian RVs are assumed.
2. In Eq. (16), in the second and third terms, $F_{11}(\cdot)$, $F_{1L-l}(\cdot)$ and must be replaced with $FN_{11}(\cdot)$ and $FN_{1L-l}(\cdot)$, correspondingly.
3. In Eq. (15), $\Phi_{NORM\left(0,\frac{\eta_L}{2}\right)}(s)$ is defined as(related to (13)) $\Phi_{NORM\left(0,\frac{\eta_L}{2}\right)}(s) = \exp\left[-\frac{\sum_{k=1}^{L} N_k}{4}s^2\right]$.
4. In Eq. (15), $\Phi_{X_k}(s)$must be replaced with $\Phi_{x_k}(s)$.
5. In Eq. (25), t_k must be replaced with z_k.
6. Eq. (24) must be written as: $P_e(L) = \Pr[\gamma(L) < 0 | transmitted\ symbol = 1]$.

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REFERENCE

[1] G. K. Karagiannidis and S. A. Kotsopoulos, "On the distribution of the weighted sum of L independent Rician and Nakagami envelopes in the presence of AWGN," *J. Commun. Networks,* vol. 3, no. 2, pp. 112–119, June 2001.

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