Template for submission of papers to ISVE-International Journal of Microsystems & Internet of Things

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**ABSTRACT**

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*Keywords:*

About six to fifteen key words or phrases in alphabetical order, separated by commas. For a list of suggested keywords, visit <http://www.ieee.org/organizations/pubs/ani_prod/keywrd98.txt>

# **INTRODUCTION**

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**Fig.1** IIP3 of transconductance amplifier based up-conversion Mixer

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**Table. 1 Cross platform comparative performance**

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| --- | --- | --- | --- |
| **Parameter** | **[2]** | **[3]** | **This work** |
| Technology | 0.18µm | 0.13 µm | 90nm |
| Power Supply(V) | 1.2 | 1.2 | 1.8 |
| Conversion Gain (dB) | 5 | 1.1 | 21.4 |
| Input 1dB compression Point (dBm) |  |  | -5.61 |
| IIP3(dBm) | 14.68 | 6.45 | 4.26 |
| Noise Figure(dB) |  |  | 13 |
| Power Consumption (mW) | 9.45 | 10 | 3.65 |

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Be aware of the different meanings of the homophones “affect” (usually a verb) and “effect” (usually a noun), “complement” and “compliment,” “discreet” and “discrete,” “principal” (e.g., “principal investigator”) and “principle” (e.g., “principle of measurement”). Do not confuse “imply” and “infer.”

Prefixes such as “non,” “sub,” “micro,” “multi,” and “ultra” are not independent words; they should be joined to the words they modify, usually without a hyphen. There is no period after the “et” in the Latin abbreviation “*et al.*” (it is also italicized). The abbreviation “i.e.,” means “that is,” and the abbreviation “e.g.,” means “for example” (these abbreviations are not italicized).

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# **Conclusion**

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**Appendix**

Appendixes, if needed, appear before the acknowledgment.

**Acknowledgment**

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