Accepted Manuscript

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PII: S0925-8388(18)32454-X

DOI: 10.1016/j.jallcom.2018.06.333

Reference: JALCOM 46669

To appear in: *Journal of Alloys and Compounds*

Received Date: 11 June 2018

Revised Date: 25 June 2018

Accepted Date: 26 June 2018

Please cite this article as: X. Han, Y. Huang, Q. Gao, R. Fan, X. Peng, Effects of nanotube content on thermal and mechanical properties of NT@Cu/Ag@GF/Al composites, *Journal of Alloys and Compounds* (2018), doi: 10.1016/j.jallcom.2018.06.333.

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Abstract

NT@Cu and Ag@GF supported the aluminum (Al) composites had been synthesized by vacuum gas pressure infiltration and their microstructure, Coefficient of thermal expansion (CTE), thermal and mechanical properties were investigated. Cu particles encapsulated with NT had been designed to improve the dispersion of NT and form a carbon conductive network. The chemical plating process was used to enhance the wettability between graphite flakes (GF) and Al matrix and eliminate the harmful interfacial reactions. The