



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_19439
Title of the Manuscript:	High Microwave Absorption of Multi-Walled Carbon Nanotubes (Outer Diameter 10 – 20 nm)-Epoxy Composites in R-Band
Type of Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Moreover, authors have not responded to penetration depth query which is an important part of the researchers working in the area of RAM materials. Moreover, Raman spectra will also reveal some important concepts on MWCNT-epoxy behaviour which authors failed to respond. Moreover, thermal stability of the composite is an important parameter which can define the role of composite for microwave absorption, which authors have also not responded.	The study of microwave penetration depth in RAM materials is an area that is receiving attention. However, this particular work focuses on studying microwave absorption properties of millimeter-sized MWCNT-epoxy composites. At this scale, we did not observe any significant effect from penetration depth that warranted consideration. We shall consider it and also incorporate Raman spectra in our future work. Regarding thermal stability of the composites, refer to line 268-271 for a brief discussion on the mechanism for converting EM wave incident on the composites to heat, and its effect on microwave absorption. The incident EM wave power in our studies is very low (~1 mW) and does not generate substantial heat to destabilize the samples thermally. Many thanks for the thoughtful queries; we shall explore them in the future.