

Review of: "Parallel LC shaped metamaterial resonator for C and X band satellite applications with wider bandwidth"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

1. Equation 1 and 2, what are the calculated values (L and C) inserted in Figure1?
2. Figure 3 what caused the differences?
3. It is not clear on the existence of equation 3 to 6.
4. Figure 4, what is the dielectric substrate used?
5. Figure 7, the permeability varies in a major scale. justify
6. equation (7) to (13) is well know. What are the authors need to highlight here?
7. Experimental procedure was found that FR4 was used for this work. This material is not suitable for high frequencies, justify why was FR4 used?
8. Figure 8, can the authors show the photo of a real measurement setup? Was a chamber used?
9. Fig. 9 there are differences between measured and simulated due to the material used.
10. where is the feeding point for Figure 10, and the current distribution explanation should be expanded to achieved a better understanding.
11. In conclusion the range of frequencies mentioned is different to the one mentioned in abstract. Rectify.
12. Include the Fabricated dielectric plate and Experimental measurement setup
13. what is the effect of increasing capacitance in terms of center frequency and bandgap bandwidth.