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(57) Abstract :

ABSTRACT MICROWAVE ABSORBER UNIT CELL STRUCTURE The present disclosure discloses a microwave absorber unit cell structure (102), comprising a ground layer (104), a top layer (106) and a periodic Frequency Selective Surface (FSS) structure (108) etched on a substrate layer (110), and the substrate layer (110) has a permittivity (ϵ_r) of 4.3 and a tand of 0.025, a copper metallic layer (112) with a thickness of 0.035 mm etched on both the top layer (106) and bottom layers, and the substrate layer (110) having a thickness of 2.0 mm. FIG. 1

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