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(57) Abstract :

The present disclosure relates to a dual band four port MIMO antenna structure and a method of fabricating the same. The structure includes a substrate. The substrate also includes at least four radiating patch printed on a first plane of the substrate. Two of the at least four radiating patch are combined as pairs to obtain a first pair of radiating patch and a second pair of radiating patch, wherein the two of the at least four radiating patch are placing adjacent to each other, wherein the first pair of radiating patch and the second pair of radiating patch are placed opposite to each other. The substrate further includes an inverted C-U shaped filter slots housed inside each of the at least four radiating patch, wherein the inverted C-U shaped filter is configured to remove the interference.

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