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## Certificate

*It is here by certified that the paper ID : IJRASET40396, entitled  
Testing Patch, Helix and Vertical Dipole GPS Antennas with without Choke Ring  
Frame*

*by  
Mustafa M. Amami*

*after review is found suitable and has been published in  
Volume 10, Issue II, February 2022  
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*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET