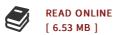




## Microstrip Fractal Antenna Based on Resonant Frequency

By Naveen Upadhyay

LAP Lambert Academic Publishing Okt 2013, 2013. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - A new compact fractal patch antenna is designed based on the fractal geometry. Based on the simulation results, the proposed antenna has shown an excellent size reduction possibility with good radiation performance for wireless communication applications. The change in resonating frequency with respect to the dielectric constant of substrate. The various resonating frequencies for designed antenna are 11.36 GHz, 10.3 GHz, 9.2 GHz and 8.59 GHz for RT Duroid Rogers 5880, ARLON AD 300, FR 4 and RT Duroid Rogers 6010 respectively. The S-parameter (S11) for resonating frequencies is well below -10 dB. The far-field pattern and S11 of the proposed antenna is simulated and analyzed using CST Microwave Studio 2011. A Microstrip Fractal Antenna (MFA) is a fractal shape antenna. Fractal means broken or irregular fragments in a family of complex shapes that are repeated in same manner. Microstrip fractal antenna consists of one flat conductive strip which is deposited on the dielectric substrate surface. The Microstrip Fractal Antenna uses planar transmission line in microwave/ RF in integrated circuits. 104 pp. Englisch.



## Reviews

It is an amazing publication which i actually have at any time go through. It really is writter in easy words and phrases rather than hard to understand. Its been developed in an extremely easy way which is merely following i finished reading through this pdf in which actually changed me, affect the way i think.
-- Garry Lind

This sort of pdf is everything and made me hunting forward and a lot more. It is packed with knowledge and wisdom I am just happy to inform you that this is the greatest ebook i have study within my own existence and might be he very best ebook for actually.

-- Celestino Blanda