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radio frequency rf engineering is a subset of electrical engineering involving the application of transmission line waveguide antenna and electromagnetic field principles to the design and application of devices that produce or use signals within the radio band the frequency range of about 20 khz up to 300 ghz

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you will learn the fundamental principles of rf systems and the design of practical cost effective rf subsystems and their translation into practical integrated circuits or full rf systems also reviewed are the key concepts of simulating testing and validating rf systems

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a radio frequency rf engineer works with technology and electronic equipment that uses radio waves from cell phones to radio stations designs installs and repairs systems and equipment that transmit radio signals

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radio frequency engineers are responsible for a wide range of wireless communications and networking technologies from evaluating wireless local area networks lans and developing radio frequency identification rfid system based devices to using the global positioning system gps a satellite navigation system based in space that can

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wei deng ieee xplore author details

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from 2015 to 2019 he was with apple inc cupertino ca usa working on radio frequency rf millimeter wave mm wave and mixed signal ic design for wireless transceivers and apple a series processors

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as you may know sendai is one of the historic sites for microwave antenna engineering and is the birthplace of yagi uda antenna you will feel a touch of inspiration from sendai and the microwave antenna heritages sendai is one of the largest cities in japan and is the political and economic center in the tohoku northeast region

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