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The design and optimization of spiral inductors on silicon substrates, the related layout issues in integrated

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We see, then, that RF design is not about merely generating EMR; rather, RF design is the art and science of generating and manipulating and interpreting EMR in a way that allows you to reliably transfer meaningful information between two circuits that have no direct electrical connection.

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Radio-frequency engineering, or RF engineering, is a subset of electrical and electronic engineering involving the application of transmission line, waveguide, antenna and

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electromagnetic field principles to the design and application of devices that produce or utilize signals within the radio band, the frequency range of about 20 kHz up to 300 GHz ...

Radio-frequency engineering - Wikipedia

CC2420EM PA DESIGN • Signal from TXRX_Switch pin level shifted and buffered Level in TX: 1.8 V, level for RX and all other modes: 0V • CMOS and GaAs FET switches assures low RX current consumption • Simpler control without external LNA No extra signal is needed from MCU to turn off LNA in low power modes RF_P TXRX_SWITCH RF_N CC2420 BALUN ...

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Definitely not a beginner's book. I earned EE degrees many years ago but never covered RF design. So I have the background I need but still find this book challenging. I found a 1st edition solutions manual online which seems to be mostly complete and correct. Some new problems were added in the 2nd

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