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Risk Analysis (FMEA) For Radio Frequency Monitoring Devices



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RADIO FREQUENCY (RF) DEVICES Radio frequency (RF) can be defined as an electromagnetic signal used as a form of communication in wireless electronics. Radio waves have frequencies that range from 3kHz to 300 GHz. Frequency refers to the rate of oscillation of the radio waves (1). RF modules, transceivers, and SoCs (System on Chip) (2) often include data link layer support for one or more wireless communication protocols. These products are organized by wireless technology that includes Bluetooth, ZigBee, Wi-Fi, GPS, and other signals. See definition section for additional information. The...

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