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He was involved in the design and development of complex terrestrial and satellite communications networks and has made significant contributions in the design and development of RF, radar, guidance, and communications systems at frequencies of up to 100 GHz. Mr. Drentea has developed several state-of-the-art RF products including ultrawideband-high probability of intercept (HPOI) receivers ...

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they follow the design principles of the communications receivers, but their design must be of even higher quality and accuracy because their purpose is to measure various performance aspects of the system under test. A test receiver includes a built-in self-calibration feature. The test receiver typically has a 0.1 dB field strength meter accuracy.

Chapter1 BasicRadioConsiderations

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The superheterodyne receiver, invented in 1918 by Edwin Armstrong is the design used in almost all modern receivers except a few specialized applications. In the superheterodyne, the radio frequency signal from the antenna is shifted down to a lower "intermediate frequency" (IF), before it is processed.

Radio receiver - Wikipedia

A communications receiver is a type of radio receiver used as a component of a radio communication link. This is in contrast to a broadcast receiver which is used to receive radio broadcasts. A communication receiver receives parts of the radio spectrum not used for broadcasting, that includes amateur, military, aircraft, marine, and other bands. They are often used with a radio transmitter as part of a two-way radio link for shortwave radio or amateur radio communication, although they are also

Communications receiver - Wikipedia

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