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... Channel coding can be either error detection coding or error correction coding. When only error detection coding is employed, the receiver can request a transmission repeat, and this technique is known as automatic repeat request (ARQ). This requires two-way

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communications. Channel coding (Chapter 15) - Wireless

Communication Systems The

channel coding refers to the class of signal transformations designed to improve communications

performance by enabling the

transmitted signals to better with-

stand the effects of various channel

impairments, such as noise,

interference and fading. The

channel coding is considered as an important signal

processing Different Channel

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... In some communications

systems the channel coding may

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than original contained in the message. Wireless Communication - Techniques - Tutorialspoint One of the techniques that has been utilized in the IEEE 802.16m channel coding and HARQ-IR transmission is constellation rearrangement. The effect of constellation rearrangement on the coding and HARQ performance at link-level has been evaluated and is shown in Figures 9-56 and 9-57, for downlink and uplink, respectively. Channel Coding - an overview | ScienceDirect Topics Introduction: Channel coding techniques used in 5G NR (New Radio) are different than used in LTE. Repetition/block coding is used for very small block lengths of data. It is defined in 3GPP TS 38.212 document. Following table mentions

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