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Angle Modulation (Phase & Frequency Modulation)Modulation Allows For The Designated Frequency Bands (with The Carrier Frequency At The Center Of The Band) To Be Utilized For Communication And Allows For Signal Multiplexing. Amplitude Modulation (AM) Is An Analog And Linear Modulation Process As Opposed To Frequency Modulation (FM) And Phase Modulation (PM). Jul 3th, 2024FM- Frequency Modulation PM - Phase Modulation C C C M A E C M U T A F T F T π β π π β π = + = + ϕ (t) = β sin(2 π fmt) U(t) Is Periodic In F M We May Therefore Use The Fourier Series Spectrum Characteristics Of FM • FM/PM Is Exponential Modulation Re()(2 Sin(2)) () Cos(2 Sin(2)) J F T F T C C C M A E C M U T A F T F T π β π π β π = Jun 2th, 2024Performance Of Pulse Code Modulation/ Phase Modulation ...The Power Spectral Densities (PSDs) For PCM/PM/NRZ And PCM/PM/bi-`are Shown In Figs. 1(a) And 1(b), Respectively. Observe That The Carrier Component For PCM/PM/bi-`occurs At The Null Of The Data Spectrum. 2 PCM/PM Modulatio Mar 1th, 2024.

Phase Modulation (PM) Frequency Modulation (FM)1/31/2013 13 Table 5.2 Values Of The Bessel Functions Jn() 1/31/2013 14 FM Magnitude Spectra For Different Values Of 1/31/2013 15 Bandwidth Of FM Signal For Arbitrary Message Signal For An Arbitrary Message Signal S(t) Having The Bandwidth B, We Define The Deviation Ratio D Plays Same Role In Jun 1th, 2024

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