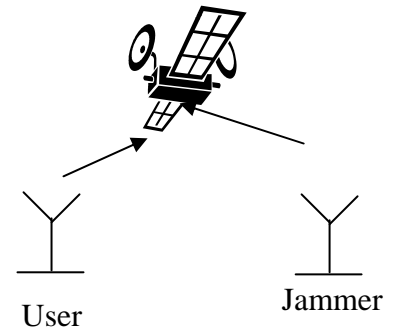


EE573: Digital Communications II
Practice Problem (DSSS) and Processing Gain

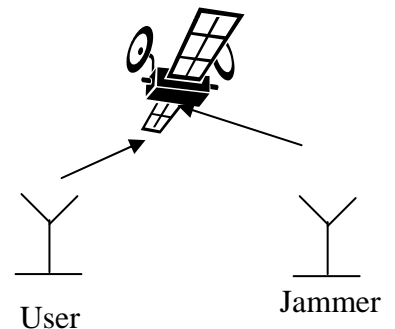
A user is communicating with a satellite using a signal of power =20dBW. A jammer is transmitting 60dBW (continuous, full-band). The needed transmission rate is 100 b/s. The required E_b/J_0 is 10 dB. Find the required bandwidth?



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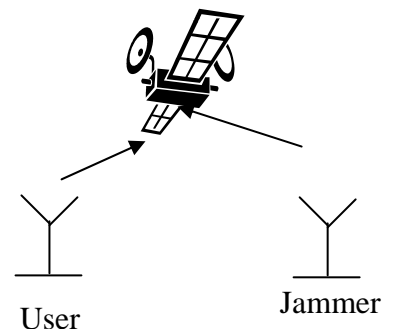
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