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Calculation of Requested Bandwidth

The requested bandwidth is calculated as follows:

Per Part III-A(3) of the table at FCC Rules section 2.202(g), an FM signal with audio bandwidth $M = 15$ kHz and deviation $D = 75$ KHz will require a bandwidth of 180 KHz.

The frequency tolerance specified on the application is $\pm 0.01\%$, which corresponds to a maximum frequency error of 9.5 kHz at a carrier frequency of 95 MHz. Adding a ± 10 kHz (20 kHz) total allowance for frequency tolerance to the basic 180 kHz signal bandwidth yields the 200 kHz value requested for the total authorized bandwidth.