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Long-term-average spectrum characteristics of country singers during speaking and singing

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Five premiere male country singers involved in our previous studies spoke and sang the words of both the national anthem and a country song of their choice. Long-term-average spectra were made of the spoken and sung material of each singer. The spectral characteristics of country singers’ speech and singing were similar. A prominent peak in the upper part of the spectrum, that has been previously described as the “speaker’s formant,” was found in the country singers’ speech and singing. The singer’s formant, a strong spectral peak near 2.8 kHz and an important part of the spectrum of classically trained singers, was not found in the spectra of the country singers. The results support the conclusion that the resonance characteristics in speech and singing are similar and that country singing is not characterized by a singer’s formant