

# NATIONAL RADIO SYSTEMS COMMITTEE

## NRSC-3 Audio Bandwidth and Distortion Recommendations for AM Broadcast Receivers June, 1990



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Published by

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Technology & Standards Department  
2500 Wilson Boulevard  
Arlington, VA 22201

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Science and Technology Department  
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Figure 2:	No Audio Preemphasis at Generator	

# AUDIO BANDWIDTH AND DISTORTION RECOMMENDATIONS FOR AM BROADCAST RECEIVERS

## § 1. Scope.

The National Radio Systems Committee (NRSC) is a joint committee of the Electronic Industries Association and the National Association of Broadcasters, composed of all interested parties including representatives of broadcast stations, radio receiver manufacturers, and broadcast equipment suppliers. This document describes a voluntary national standard that specifies audio bandwidth and distortion recommendations for AM broadcast radio receivers. The voluntary standard applies to both AM monophonic and AM stereophonic receivers, as well as to receivers of single, multiple or variable reception bandwidths. Compliance with this standard is strictly voluntary. To the NRSC's knowledge, no industry group or entity is or will be adversely affected by issuance of this document. Every effort has been made to inform and accommodate any and all interested parties. The NRSC believes that implementation of this voluntary standard will lead to improved AM receivers, thus providing enhanced service for all AM stations and an increase in quality of service to present and future AM listeners. However, the NRSC also believes the work to reduce interference conditions in the AM band must continue in order to improve the competitiveness of the service.

## § 2. Introduction.

It is the intent of the NRSC that this document serve as a voluntary national standard which may be used by receiver manufacturers to complement the broadcast elements of the NRSC-1 standard.<sup>1</sup> The NRSC-1 standard defines a broadcast/reception system capable of 10 kHz audio bandwidth. However, the NRSC-1 standard provides little specific guidance for receiver manufacturers who wish to determine whether a particular AM receiver

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<sup>1</sup> See *National Radio Systems Committee, NRSC-1 AM Preemphasis/Deemphasis and Broadcast Audio Transmission Bandwidth Specifications (ANSI/EIA-549-1988)*, ("NRSC-1 standard").













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