

BANDWIDTH AGNOSTIC TONE MAPPING

PRIORITY CLAIM

[0001] This application claims priority to U.S. Application No. 15/481,437, filed April 6, 2017, which claims benefit of and priority to U.S. Provisional Patent Application Serial No. 62/329,045 (Docket No. 163149USL), filed April 28, 2016, and U.S. Provisional Patent Application Serial No. 62/337,206 (Docket No. 163149USL02), filed May 16, 2016. Both of these applications are assigned to the assignee hereof, Qualcomm Incorporated, and hereby expressly incorporated by reference herein as if fully set forth below and for all applicable purposes.

TECHNICAL FIELD

[0002] The technology discussed below generally relates to wireless communications and, more particularly, to techniques for mapping coded bits of a broadcast channel to tones in a subframe. Embodiments and aspects of the technology can enable and provide improved synchronization between components for wireless communication in a variety of network communication types, including mmWave systems.

INTRODUCTION

[0003] Wireless communication systems are widely deployed to provide various telecommunication services such as telephony, video, data, messaging, and broadcasts. Typical wireless communication systems may employ multiple-access technologies capable of supporting communication with multiple users by sharing available system resources (e.g., bandwidth, transmit power). Examples of such multiple-access technologies include code division multiple access (CDMA) systems, time division multiple access (TDMA) systems, frequency division multiple access (FDMA) systems, orthogonal frequency division multiple access (OFDMA) systems, single-carrier frequency divisional multiple access (SC-FDMA) systems, and time division synchronous code division multiple access (TD-SCDMA) systems.

[0004] These multiple access technologies have been adopted in various telecommunication standards to provide a common protocol that enables different wireless devices to communicate on a municipal, national, regional, and even global