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| Project | IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 > | |
| Title | Comments on Figure 270a | |
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| Re: | IEEE 802.16j-07/043: "IEEE 802.16 Working Group Working Group Letter Ballot #28" | |
| Abstract | This contribution corrects Figure 270a in P80216j/D1. | |
| Purpose | Text proposal for 802.16j Draft Document. | |
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Comments on Figure 270a

Introduction

This contribution proposes remedy for the figure 270a in the draft standard P802.16j/D1. In current 270a frame structure example, the RS cannot monitor the Ranging during the R-RTG interval. Therefore the MS that transmit to BS the ranging codes during the R-RTG cannot be detected by the RS. So, the ranging region of the BS has to shrink to match that of RS.

There is also a problem with data bursts. If the UL subframe tells the MS that the access zone starts at $k+19$ and ends at $k+31$ then the MS will transmit from left to right during the entire interval. Because the MS is not aware of the RS, what is represented at UL burst #4 and #5 in the RS Frame that span from $k+19$ to $k+28$ are actually spanning from $k+19$ to $k+31$ as shows in MR-BS Frame of the figure 270a. This kills the R-RTG, or the RS cannot receive the bursts correctly. Thus, a safety zone is required to safeguard R-RTG.

In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the draft standard P802.16j/D1 are listed below.

Proposed text changes

[Replace Figure 270a as following indicated:]

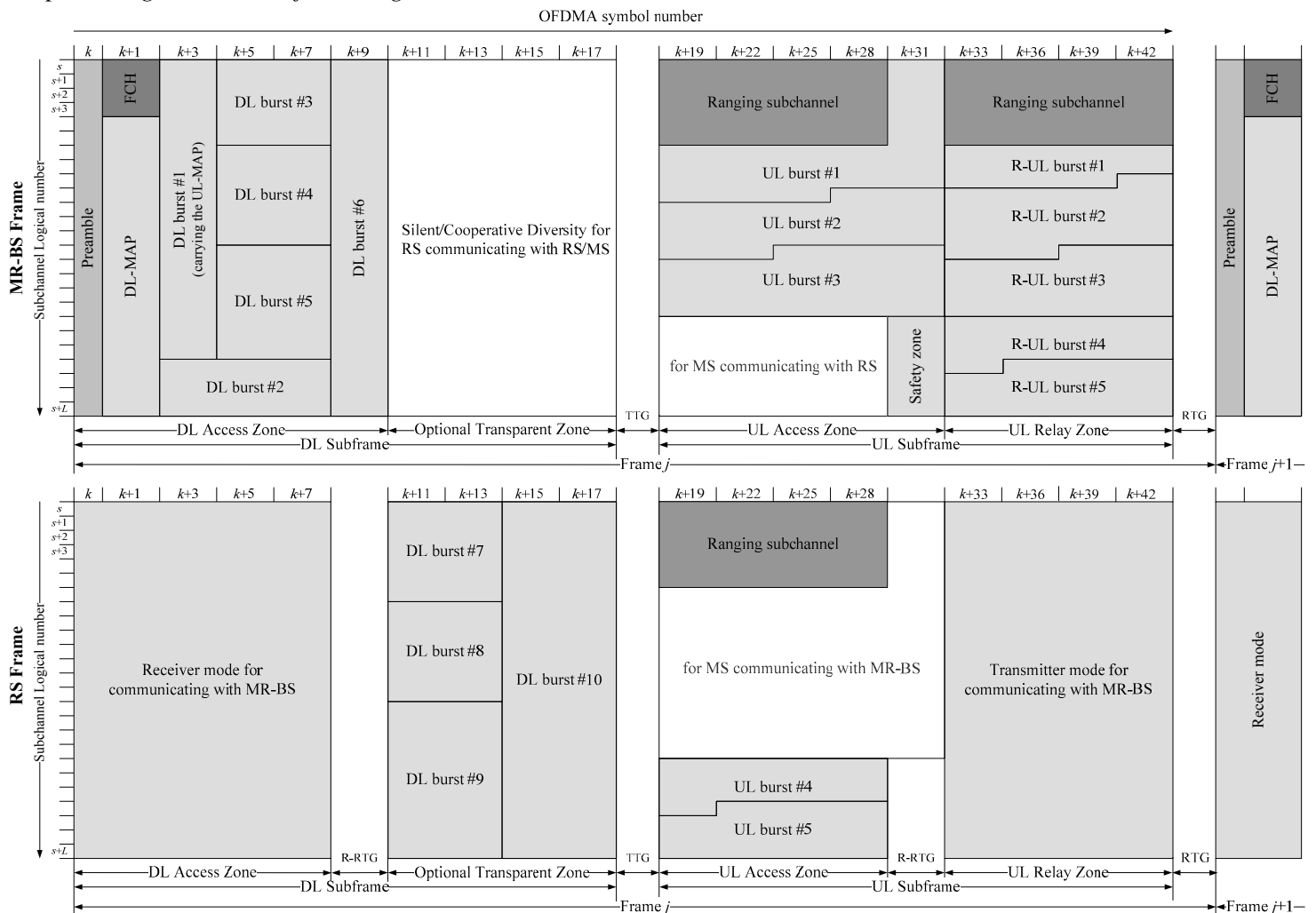


Figure 270a—Example of configuration for an in-band transparent relay frame structure