

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >
Title	Concurrent UL Burst Capability in OFDMA PHY
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Re:	IEEE P802.16e/D2-2004
Abstract	Concurrent UL Burst Capability in OFDMA
Purpose	The purpose of this document is to specify a fix number of UL OFDMA concurrent bursts supported by the SS and the guard time requirements between subsequent SS bursts.
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Concurrent UL Burst Capability in OFDMA

Yigal Eliaspur

Motivation:

There is no limit define today to specify maximum concurrent OFDMA UL bursts required from the MSS to support.

By limiting the maximum concurrency value to one, while maintaining some minimum guard time between subsequent bursts, we are reducing implementation complexity from the MSS while keeping the BS grant allocation procedure efficient.

Details:

Add the following definitions to the OFDMA Phy section:

1. Define maximum UL burst concurrency limit to be 1.
2. Define minimum guard time between subsequent UL bursts of the same MSS to be 1 symbol.

Changes summary:

TBD