IEEE P802.11
Wireless LANs

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| PDT-Setting TXVECTOR parameters for UHR PPDU |
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Abstract

This submission proposes PDT for setting TXVECTOR parameters for UHR PPDU that is missing in TGbn draft.

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**Revisions:**

* Rev 0: Initial version of the document.

**Discussion:**

The TGbn draft is missing the subclause for setting TXVECTOR parameters for UHR PPDU. Generally, UHR STA will follow the rule of setting TXVECTOR parameters for HE/EHT PPDU (e.g., 26.11 Rules for setting some TXVECTOR parameters for PPDUs transmitted by an HE STA or 35.11.1 Setting TXVECTOR parameters for an EHT PPDU). We can describe the rule of setting TXVECTOR parameters for UHR PPDU like rules for EHT PPDU.

**Proposed texts:**

***TGbn editor: Chage the subclause 37.11 in the latest version of TGbn Draft as follows:***

**37.10 Nominal packet padding values selection rules**

(#2034)For a UHR MU PPDU, the PE requirements of UEQM with the constellation order x of the first spatial stream is equal to the PE requirements of EQM with the constellation order x.

***TGbn editor: Change all “37.11”s to all “37.10”s in all references at the latest version of TGbn Draft globally.***

***TGbn editor: Chage the subclause 37.10 in the latest version of TGbn Draft as follows:***

**37.11 Rules related to the PHY interface of an UHR STA**

**37.11.1 Setting TXVECTOR parameters for a UHR PPDU**

**37.11.1.1 STA\_ID**

A UHR STA shall set the parameter STA\_ID in the TXVECTOR following the rules defined in 35.11.1.1 (STA\_ID) with the following additions:

—The rules that apply to an EHT MU PPDU shall also apply to a UHR MU PPDU and a UHR ELR PPDU

**37.11.2 POWER\_BOOST\_FACTOR**

A UHR STA shall set the parameter POWER\_BOOST\_FACTOR in the TXVECTOR following the rules defined in 35.11.1.2 (POWER\_BOOST\_FACTOR) with the following additions:

—The rules that apply to an OFDMA EHT MU PPDU shall also apply to an OFDMA UHR MU PPDU

—The rules that apply to a non-OFDMA EHT MU PPDU shall also apply to a non-OFDMA UHR MU PPDU

—The rules that apply to a EHT TB PPDU shall also apply to a UHR TB PPDU and a UHR ELR PPDU

**37.11.1.3 UPLINK\_FLAG**

A UHR STA shall set the parameter UPLINK\_FLAG in the TXVECTOR following the rules defined in 35.11.1.3 (UPLINK\_FLAG) with the following additions:

—The rules that apply to an EHT MU PPDU shall also apply to a UHR MU PPDU

—The rules that apply to an HE ER PPDU shall also apply to a UHR ELR PPDU

**37.11.1.4 BSS\_COLOR**

A UHR STA shall set the parameter BSS\_COLOR in the TXVECTOR following the rules defined in 35.11.1.4 (BSS\_COLOR) with the following additions:

—The rules that apply to an EHT MU PPDU shall also apply to a UHR MU PPDU

A non-AP UHR STA that transmits a UHR MU PPDU addressed to a STA that is not a member of the transmitting STA’s UHR BSS shall set the TXVECTOR parameter BSS\_COLOR to 0.

A UHR STA with dot11EnhancedLongRangeTxActivated equal to true shall set the parameter BSS\_COLOR in the TXVECTOR following the rules defined in 37.4.2.

**37.11.1.5 TXOP\_DURATION**

A UHR STA shall set the parameter TXOP\_DURATION in the TXVECTOR following the rules defined in 35.11.1.5 (TXOP\_DURATION) with the following additions:

—The rules that apply to an EHT MU PPDU shall also apply to an UHR MU PPDU

—The rules that apply to an HE ER PPDU shall also apply to a UHR ELR PPDU

A UHR STA that is a TXOP responder using a UHR SU transmission shall set the TXVECTOR parameter TXOP\_DURATION to UNSPECIFIED, if the RXVECTOR parameter TXOP\_DURATION of the UHR PPDU that solicits a response from the STA is UNSPECIFIED.

***TGbn editor: Change all “37.10”s to all “37.11”s in all references at the latest version of TGbn Draft globally.***

***TGbn editor: Change all “37.10.1”s to all “37.11.2”s in all references at the latest version of TGbn Draft globally:***