IEEE P802.11
Wireless LANs

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| DMG/EDMG Mono-Static PPDU |
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Abstract

This document proposes resolution to CID 418

Rev 2 – Clarify spectral density, Add mask requirement

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| 418 | 28 | 89.01 | DMG monostatic PPDU is not desribed | submission willl be provided |  RevisedTGbf editor, make changes specified in 11-22-1523r3 |

***TGbf Editor: Insert the following new clause 28.9.5***

***Editor: Insert the following subclause at the end of 28.9.4***

### 28.9.5 DMG Monostatic Sensing PPDU

As described in Annex AB, any DMG PPDU may be used for mono-static sensing.

This subclause proposes wider constraints on the waveform used in the TRN field of PPDU used for mono-static sensing.

Any waveform may be used in the TRN field of DMG monostatic PPDU if the following constraints are met:

1. The length of the waveform shall be equal or shorter than the length of a TRN field declared in the DMG header or EDMG-A header
2. The power of the waveform shall be less than or equal to the power of a TRN field averaged over each $128T\_{c}$ period
3. The spectral density of the waveform, averaged over 10MHz bandwidth, shall be less than or equal to the spectral density of a TRN field.
4. The waveform shall comply with the same transmit mask (or be lower) as the mask complied by the preamble and data fields of the PPDU (see 20.3.2 and 28.3.5).
5. The waveform does not contain more than 6 consecutive sequences $Ga\_{128}^{1}$ and no more than 6 consecutive sequences $Gb\_{128}^{1}$

**References:**