### **IEEE P802.11 Wireless LANs**

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| SA Ballot Comment Resolutions on Tone Spacing | | | | |
| Date: 2024-08-06 | | | | |
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**Abstract**

The document provides comment resolutions for CIDs: 6188, 6189, 6190.

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| **CID** | **Clause** | **Page/Line** | **Comment** | **Proposed Change** | **Resolution** |
| 6188 | 9.4.1.78.4 | 63.07 | The Tone spacing in Table 9-129q is nonuniform making conversion from the Frequency Domain to the Time Domain very complex for the RF Sensing application. Many RF Sensing applications work in the Time Domain and would suffer unnecessary complexity with nonuniform Tone Spacing. | Propose to change to Uniform Tone Spacing as described in: https://mentor.ieee.org/802.11/dcn/24/11-24-0456-00-00bf-pdt-uniform-tone-spacing.docx | **Rejected**  The proposed reported tones are different than the tones in the Beamforming report. |
| 6189 | 9.4.1.78.4 | 61.46 | The Tone spacing in Table 9-129p is nonuniform making conversion from the Frequency Domain to the Time Domain very complex for the RF Sensing application. Many RF Sensing applications work in the Time Domain and would suffer unnecessary complexity with nonuniform Tone Spacing. | Propose to change to Uniform Tone Spacing as described in: https://mentor.ieee.org/802.11/dcn/24/11-24-0456-00-00bf-pdt-uniform-tone-spacing.docx | **Rejected**  The proposed reported tones are different than the tones in the Beamforming report. |
| 6190 | 9.4.1.78.4 | 59.57 | The Tone spacing in Table 9-129n is nonuniform making conversion from the Frequency Domain to the Time Domain very complex for the RF Sensing application. Many RF Sensing applications work in the Time Domain and would suffer unnecessary complexity with nonuniform Tone Spacing. | Propose to change to Uniform Tone Spacing as described in: https://mentor.ieee.org/802.11/dcn/24/11-24-0456-00-00bf-pdt-uniform-tone-spacing.docx | **Rejected**  The proposed reported tones are different than the tones in the Beamforming report. |