IEEE P802.11
Wireless LANs

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| 11be lb275 CR for Clause 36.3.11 Mathematical description of signals |
| Date: 2023-09-12 |
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Abstract: This document contains proposed resolutions for comments in *Clauses 36.3.11* from 11be D4.0 with 2 CIDs below.

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| ***Clause 36.3.11***19009,19179 |  |
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| 19009 | 36.3.11.4 | 748.50 | "For EHT modulated fields in a nonpunctured non-OFDMA EHT PPDU that isnot in EHT DUP mode, $K\_{r}$ is the set of subcarriers indices from $-N\_{SR}$ to $N\_{SR}$ as defined inTable 36-19 (Subcarrier allocation related constants for the EHT-modulated fields in anonpunctured non-OFDMA EHT PPDU) excluding DC subcarriers. " DC in table 36-19 doesn't includes null tones. the description is not correct for BW > 80MHz. especially for EHT-LTF. | change to ....excluding DC and null subcarriers. Or update table 36-19 to reflect DC and Nulls for BW>80 | **Revised.**Agree with the commentor that there are null tones besides the null tones at DC for BW > 80 MHz which are not modulated.TGbe editor: Incorporate the changes in <https://mentor.ieee.org/802.11/dcn/23/11-23-1597-00-00be-11be-lb275-CR-for-Clause-36-3-11-mathematical-description-of-signals.docx> |

be editor: please make the following changes in D4.0 *Clause 36.3.11.4*:

* On P748L48 (CID #19009):

For EHT modulated fields in a nonpunctured non-OFDMA EHT PPDU that is not in EHT DUP mode, $K\_{r}$ is the set of subcarriers indices from $-N\_{SR}$ to $N\_{SR}$ excluding DC subcarriers as defined in Table 36-19 (Subcarrier allocation related constants for the EHT-modulated fields in a nonpunctured non-OFDMA EHT PPDU) and Null subcarriers as defined in Table 36-16 (Null subcarrier indices for 80 MHz, 160 MHz, and 320 MHz) if present.

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| 19179 | 36.3.11.4 | 750.30 | The power is scaled to ensure average power (or per tone energy) forEHT-LTF and Data fields are the same (per tone power are not the same) | Change the text to "to ensure the field average power are the same for both EHT-LTF and Data fields" | **Rejected.**This is to ensure per tone power are the same for EHT-LTF and data fields at receiver after FFT operation since 1x and 2x EHT-LTF are truncated to ¼ and ½ of data OFDM symbol time.  |