IEEE P802.19
Wireless Coexistence

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| Revision of Section 9.4.4.3 |
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Abstract

Some additional statements in Section 9.4.4.3, for the purpose of the improvement of the text, are being highlighted in gay colour.

— (P#3): Interference power level check process

This process shall be conducted using the TVBD tolerable interference power level information of TolerableInterferenceLevel of Discovery\_Information, and the result of this process is utilized in the decision making on co-channel sharing with the other TVBD network. For example, the calculation method of the potential aggregated interference signal level from multiple TVBDs can be also written as follows:

  , (1)

where  shows the potential aggregated interference power level of the interference-victim reference point of the -th TVBD network to be protected from the other TVBD networks when the frequency () is utilized in the -th TVBD network. The other parameters are shown in Table 82. The first term of this equation (1) shows the aggregated interference power in a co-channel operation among TVBDs for target frequency (). The second term of this equation (1) shows the potential aggregated interference power level from adjacent channel operation of TVBDs for the target frequency () in the interference-victim reference point #. If the TolerableInterferenceLevel is less than the value of , the -th TVBD network can use the frequency () without causing any harmful interference from the other TVBD network(s).