Radiocommunication Study Groups

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FURTHER RESPONSE ON IMT-2000 TDD WMAN ACS VALUES

1 Source information

This contribution was developed by IEEE Project 802®, the Local and Metropolitan Area Network Standards Committee ("IEEE 802"), an international standards development committee organized under the IEEE and the IEEE Standards Association ("IEEE-SA").

The content herein was prepared by a group of technical experts in IEEE 802 and industry and was approved for submission by the IEEE 802.16™ Working Group on Wireless Metropolitan Area Networks, the IEEE 802.18 Radio Regulatory Technical Advisory Group, and the IEEE 802 Executive Committee, in accordance with the IEEE 802 policies and procedures, and represents the view of IEEE 802.

2 Comments

At its Session #56, the IEEE 802.16 Working Group (WG) considered the WP 5D Liaison statement (IEEE L802.16-08/049), which continues the prior discussion on IMT-2000 OFDMA TDD WMAN ACS values.

The 802.16 WG appreciates the investigation by WP 5D to provide information regarding the derivation of Equation (1) in the recent Liaison statement. We look forward to receiving the derivation and believe it may provide useful insights into the underlying assumptions made.

We understand that WP 5D has requested that IEEE supply the results of an alternative calculation of ACS based on specified values of parameters on the right-hand side of Equation (1). Currently, we are not aware of specific relationships between these parameters. In fact, we are somewhat skeptical about the accuracy of a specific numerical relationship, given many of the points articulated in the WiMAX Forum's Contribution 5D/133, to which IEEE contributed. We particularly call attention to points (2), (3), (4), and (5) of the analysis there. Doc. 5D/133 reads "While WP 5D's formula calculates ACS on the basis of ACR and SNRmin, any such formula can be valid only if SNRmin and ACR are measured using the same set of conditions." To our understanding, this does not acknowledge the validity of the formula.

We look forward to receiving further information and to further interactions.

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