

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Proposal to Narrow Scope of P802.16a's License-Exempt "Targeted Bands" List	
Date Submitted	2002-05-17	
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Re:	P802.16a/D3 and 802.16a-02/22	
Abstract	This contribution encourages a decision to delete 2.400-2.4835 GHz from the "Targeted frequency bands" table (Table 189 on page 108) in going from P802.16a/D3 to P802.16a/D4.	
Purpose	To encourage a decision at Session #19 to make the proposed change in going from D3 to D4.	
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Proposal to Narrow Scope of P802.16a's License-Exempt "Targeted Bands" List

Roger Marks

Proposal

This contribution encourages a decision to delete 2.400-2.4835 GHz from the "Targeted frequency bands" table (Table 189 on page 108) in going from P802.16a/D3 to P802.16a/D4.

Discussion

Application of P802.16a in license-exempt (LE) bands have been primarily intended to address certain bands between 5 and 6 GHz. This can be seen in the title of subclause 1.2.3 ["2-11 GHz license-exempt bands (primarily 5-6 GHz)"] and in many other places throughout the document, notably subclause 8.3.4.6 ("License-exempt specific components").

On the other hand, Table 189 on page 108 includes, in addition to identified LE bands between 5-6 GHz, an additional LE band: 2.400-2.4835 GHz. The table is preceded by the statement, "This clause is informative. Table 189 indicates frequency bands, and their allowed channel spacings, to which this PHY layer may be applicable." However, the title of the subclause ("Targeted frequency bands") suggests that the standard specifically targets 2.400-2.4835 GHz.

With many other devices, included those based on other 802 standards, in use in the 2.400-2.4835 GHz range, coexistence with such devices may be a major problem. The draft does not suggest any solution to this problem, or even address the legality of such operation under the regulations identified in the table.

Under these circumstances, deployment of the standard in the 2.400-2.4835 GHz band is not a likely target.

In order to avoid interference concerns from users of the 2.400-2.4835 GHz band, this band should be deleted from Table 189.