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Sent: Friday, June 08, 2007 9:38 PM
To: hotline@atcb.com
Subject: Response to Inquiry to FCC (Tracking Number 347260)

Inquiry:

Gentlemen,

As expected, we are currently seeing a run of Class II PCs where the Applicant is eliminating the 5250-5350 MHz band so as to avoid the necessity for DFS testing. The new Grant for 802.11a devices which choose not to include DFS will show all of their emissions within the 5150-5250 MHz band. Our difficulty is in interpreting 15.407(b)(1) that appears to allow spurious emissions within the 5250-5350 band up to -27dBm EIRP/MHz.

Should devices which restrict their operational band to 5150-5250 MHz meet the -27dBm EIRP/MHz limitation only from 5150-5350MHz? Wouldn't undesirable emissions above 5250MHz potentially interfere with DFS capabilities? Wouldn't it be better to expect undesirable emissions limits to begin at 5250MHz?

Bill

Response:

The rules allow a low power indoor device with an integrated antenna which is limited to operating within the 5150-5250 bands to consider the 5150 -5350 as in-band for spurious emissions. Spurious emissions outside of the 5150 -5350 band must not exceed the -27dBm EIRP/MHz limitation. We are going to further review the background, decisions and interference potential for this rule ? 15.407 (b) (1).