



Lexmark International, Inc.  
740 New Circle Road  
Lexington, KY 40550, USA

September 18, 2012

Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

Subject: FCC CFR 47, Part 15.407 implementation

Reference: FCC ID:IYLLEXM01005

Active transmissions are discontinued in the absence of information to transmit in the 5 GHz band. To actively transmit in the 5 GHz UNII bands (which is what 15.407(c) addresses), the firmware for the LEX-M01-005 has to have enabled the PA/LNA for the 5 GHz path and enable two GaAs SPDT switches for the 5 GHz transmit path to reach the antenna(s). In 5 GHz mode, if there is no data to transmit, the T/R SPDT switch has the 5 GHz transmit path disabled.

There are also provisions to completely turn off the radio section of the 8782 chip (all PA/LNAs are off) that can be invoked from the host firmware. The host printer can also disable USB bus power to the LEX-M01-005 under fault conditions, thus shutting off the radio.

Also note that in the DFS channels (5.25-5.35 GHz and 5.470-5.725 GHz excluding 5.60-5.65 GHz), we behave as a DFS Client/Slave and do NOT support ad-hoc modes where we initiate transmissions.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Thomas Bugbee".

Thomas Bugbee  
Senior Regulatory Engineer  
Lexmark International Inc.  
[bugbee@lexmark.com](mailto:bugbee@lexmark.com)  
Phone: 859-825-4432