



Date: April 25, 2013

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046

Ref: FCC Class II Permissive change for FCC ID: N7NMC8705  
(Original Grant date: 12/2/2010)  
Applicant: Sierra Wireless Inc.

To whom it may concern

Sierra Wireless UMTS MINI-PCI Express card Model: MC8705 (FCC ID: N7N8705) has Modular Approval which stated that his antenna shall not collocated with other transmitting antennas close then 20 cm and if it is happened additional evaluation shall be needed.

In case, when this device has been integrated within Cisco 800 series model router, this antenna collocated with antennas from Cisco 802.11 a/b/g/n module Model: AP802 (Cisco Systems Inc., FCC ID: LDKTG2050) with distance between them less than 20 cm.  
The antennas type and the maximum gain characteristics listed below:

- MC8705 TX/RX Dipole antenna: 1.0 dBi in frequency band 824 – 849 MHz  
and 1.0 dBi in frequency band 1850 – 1910 MHz
- AP802 antenna type 1 TX/RX PIFA antenna: 4.0dBi in the frequency band 2412 – 2462 MHz  
and 6dBi in frequency band 5745 – 5825 MHz  
and 6dBi in frequency band 5180 – 5240 MHz
- AP802 antenna type 2 TX/RX Dipole antenna: 1.6dBi in the frequency band 2412 – 2462 MHz  
and 5dBi in frequency band 5745 – 5825 MHz  
and 5dBi in frequency band 5180 – 5240 MHz

Therefore, according FCC Rules, we submit Application for Approval of the collocation for these antennas for distance less than 20cm for FCC ID: N7NMC8705 as Class II Permissive Change.

If you have any questions regarding this application, please feel free to contact me.

Best Regards

Suzi Lan  
Approval Certification Engineer