



1194 North Mathilda Avenue  
Sunnyvale, California 94089-1206 USA  
1-888-JUNIPER  
[www.juniper.net](http://www.juniper.net)

## **Application Cover Letter**

The purpose of this application is to file for a Class II Permissive Change to the Juniper SSG20, FCC ID: OXVSSG20. The current filing and approval specifies operation from 2412 – 2462 MHz (product code DTS) and 5180 – 5320 MHz (product code NII). The proposed change is to remove the ability for the device to operate in the 5250 – 5350 MHz sub-band, resulting in a frequency of operation of 5180 – 5240 MHz, until such time that the device implements DFS.

This modification is implemented through software, and the software is controlled entirely by Juniper, i.e. the end user will not have access to make the change, the change is made by the manufacturer prior to shipping units for sale. There are no hardware changes, antenna changes or output power changes proposed.

The original grant indicates an output power of the original grant lists output power at 0.033 W for the 5180 - 5320 MHz frequency range. This power was for a channel in the 5250 - 5350 MHz UNII sub-band. The original test report and rf exposure information indicate a maximum measured value in the 5150 - 5250 MHz band of 12.4dBm ( 0.018W ) in normal mode and 14.1dBm ( 0.026W ) for turbo mode. The output power of the device has not been changed and so the reduction in power value to be listed on the grant for the NII device from 0.033W to 0.026 W is to reflect the actual maximum output power in the lower UNII sub-band.

To support this permissive change data demonstrating compliance with the requirements of 15.215(c) that the 20dB occupied bandwidth be contained within the allocated frequency band, is being submitted. Data is provided for the upper and lower channels in normal mode and the sole turbo-mode channel that fall in the 5150 – 5250 MHz sub-band.

No other aspects of the devices operation, other than the deletion of the ability to operate in the 5250 – 5350 MHz sub-band, have been affected. For this reason, rf exposure information, schematics, block diagram, photographs or rf test report to all other aspects of operation in the 5GHz band are being provided as these are covered by the documents submitted for the original application.

The 2.4 GHz operation remains unaffected by the proposed changes, and no changes to that grant are being requested at this time.