

Date: 19th July 2019

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046

Subject: FCC Class II Permissive change application for 802.11 **abgn WiFi/BT/ZigBee**  
Module FCC ID: XF6-RS9113DB, originally granted on 12/23/2014.

Redpine Signals Inc. is herein submitting a class II permissive change filing for **802.11abgn WiFi** Module as listed in the operation description exhibit. Module is tested with Antenna mentioned in the table below

| Antenna Make | Model/Part #       | Antenna Gain at 2.4GHz (dBi) | Antenna Gain at 5GHz (dBi) | Type of Antenna |
|--------------|--------------------|------------------------------|----------------------------|-----------------|
| Laird        | mFlexPIFA 001-0034 | 1.9                          | 5.8                        | PIFA            |

Also Module is tested for UNII 2A (5260-5320 MHz) and UNII 2C ( 5500- 5700 MHz) frequency range 20MHz DFS slave mode without RADAR detection capability in WiFi mode without any hardware change by enabling programming parameters from our software driver.

Thanking You,  
**For Redpine Signals Inc.,**



**A. Chandrasekhar**  
Vice President–Systems  
Redpine Signals Inc.