



September 15, 2017  
Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046  
ATTN: OET Department

Per: Verification of Wi-Fi Operational Parameters

To Whom it May Concern:

There are two Grants associated with FCCID: XF6-RS9113SB. The original Grant dated December 22, 2014 certified the Wi-Fi device employing only 20 MHz channels, the Class 2 Permissive Change Grant dated June 30, 2016 added 40 MHz channel bandwidth capability.

NovAtel Inc. procures Model No. **RS9113-N00-S0C**. Figure 1 below describes the nomenclature for this device.

### 1.2 Product Naming and Variants

The figure below shows the naming convention of the RS9113 Family Modules.

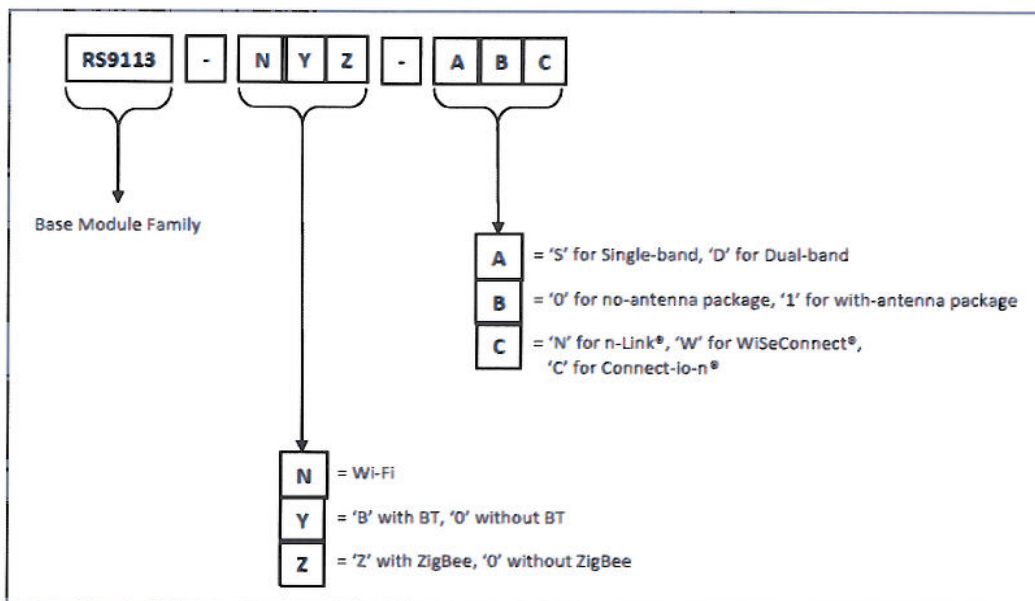


Figure 1

Figure 2 identifies the configuration of Device RS9113-N00-SOC, which supports only 20 MHz channel bandwidths.

## 2 Features

The table below lists the features supported by the n-Link®, WiSeConnect® and Connect-io-n® modules.

| S.No. | Feature                                  | n-Link®                                                                                                                | WiSeConnect®                                                                    | Connect-io-n®                                                                                                          |
|-------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1.    | Wireless Protocols                       | IEEE 802.11a, 802.11b, 802.11g, 802.11n<br>Bluetooth 4.0 (2.1+EDR, LE)<br>ZigBee 802.15.4                              |                                                                                 |                                                                                                                        |
| 2.    | Operational Modes Supported <sup>7</sup> | Wi-Fi Access Point with support for upto 32 clients                                                                    | Wi-Fi Access Point with support for upto 8 clients and limited packet buffering |                                                                                                                        |
|       |                                          | Wi-Fi Client                                                                                                           |                                                                                 |                                                                                                                        |
|       |                                          | Wi-Fi Access Point + Client                                                                                            | NA                                                                              |                                                                                                                        |
|       |                                          | Wi-Fi Direct™                                                                                                          |                                                                                 | NA                                                                                                                     |
|       |                                          | Wi-Fi Client + Bluetooth Classic (EDR v2.1)<br>Wi-Fi Client + Bluetooth Low Energy<br>Wi-Fi Client + ZigBee End Device | Wi-Fi Client + ZigBee End Device                                                | Wi-Fi Client + Bluetooth Classic (EDR v2.1)<br>Wi-Fi Client + Bluetooth Low Energy<br>Wi-Fi Client + ZigBee End Device |
|       |                                          | ZigBee Router <sup>8</sup><br>ZigBee Coordinator <sup>8</sup>                                                          |                                                                                 |                                                                                                                        |
|       |                                          | 3.                                                                                                                     | WLAN Bandwidth                                                                  | 20 and 40 MHz                                                                                                          |

Figure 2

Sincerely,



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