

Product Change Notification (PCN)

PCN #: 6A-2023

Jun 19, 2023

1 PRODUCTS AFFECTED

Laird Part Number	Old Rev.	New Rev.	Description
LoRa Gateways			
RG186 (450-0176)	10	12	Kit, Sentrius RG186 Gateway, EU, 868MHz
455-00028	8	10	Kit, Sentrius RG186 Gateway, UK, 868MHz
RG191 (450-0175)	8	10	Kit, Sentrius RG191 Gateway, NA, 915 MHz
455-00054	6	8	Kit, Sentrius RG191 Gateway, TW, 923MHz
455-00055	5	7	Kit, Sentrius RG191 Gateway, NZ, 923MHz
455-00056	5	7	Kit, Sentrius RG191 Gateway, HK, 923MHz
455-00057	5	7	Kit, Sentrius RG191 Gateway, AU, 902-928MHz
455-00102	4	6	Kit, Sentrius RG191 Gateway, SG, 923MHz
450-0190	11	13	Kit, Sentrius Gateway, EU, 868MHz, IP67
450-0191	8	11	Kit, Sentrius Gateway, NA, 915MHz, IP67
LoRa LTE Gateways			
450-00107-K2	4	6	Kit, Sentrius RG191 Gateway, LTE, CAT-1, NA
450-00109-K2	0	2	Kit, Sentrius RG191 Gateway, LTE, CAT-1, NA, IP67
Bundle Kits			
455-00121	8	10	Kit, Sentrius RS186 Open-Closed + RG186, K1, EU
455-00122	7	9	Kit, Sentrius RS191 Open-Closed + RG191, K1, NA

These top-level part numbers include various accessories and packaging, as well as the main Sentrius LoRa Gateway. All changes implemented in these kits have been associated with the LoRa Gateway itself and the table below shows the correlation between the included gateway and associated kits.

Included Sentrius LoRa Gateway – Internal Part Number				
Laird Part Number	Old Rev.	New Rev.	Description	Associated Kit
450-0174	10	12	Assembly, Sentrius RG186 Gateway, EU, 868MHz	RG186 (450-0176), 455-00121, & 455-00028
450-0179	9	11	Assembly, Sentrius RG191 Gateway, NA, 915MHz	RG191 (450-0175), 455-00054, 455-00055, 455-00056, 455-00057, 455-00122, & 455-00102
450-0192	10	12	Assembly, Sentrius Gateway, EU, 868MHz, IP67	450-0190
450-0193	9	11	Assembly, Sentrius Gateway, NA, 915MHz, IP67	450-0191
450-00107	8	10	Assembly, Sentrius RG191 Gateway, LTE, CAT-1, NA	450-00107-K2
450-00109	5	7	Assembly, Sentrius RG191 Gateway, LTE, CAT-1, NA, IP67	450-00109-K2

2 DESCRIPTION OF CHANGES

All changes have been applied to all assembly part numbers listed above:

- GA 6.3 FW Release – 93.9.6.44

Release Notes are located at: [Release Notes for GA 6.3](#)

- Specific Part Number Changes: 450-00109-K2 previously 450-00109-K1
- Added Additional LTE Antenna Port
- Hardware changes to WB50 (453-00107) SiP (SSD50NBT) RF Shield and PCB Material

3 REASON FOR CHANGE

- GA 6.3 FW update for Sentrius Gateways
- Meet Carrier LTE Compliance for LTE IP67 Gateways
- Supplier Requirement on the WB50 Hardware Changes

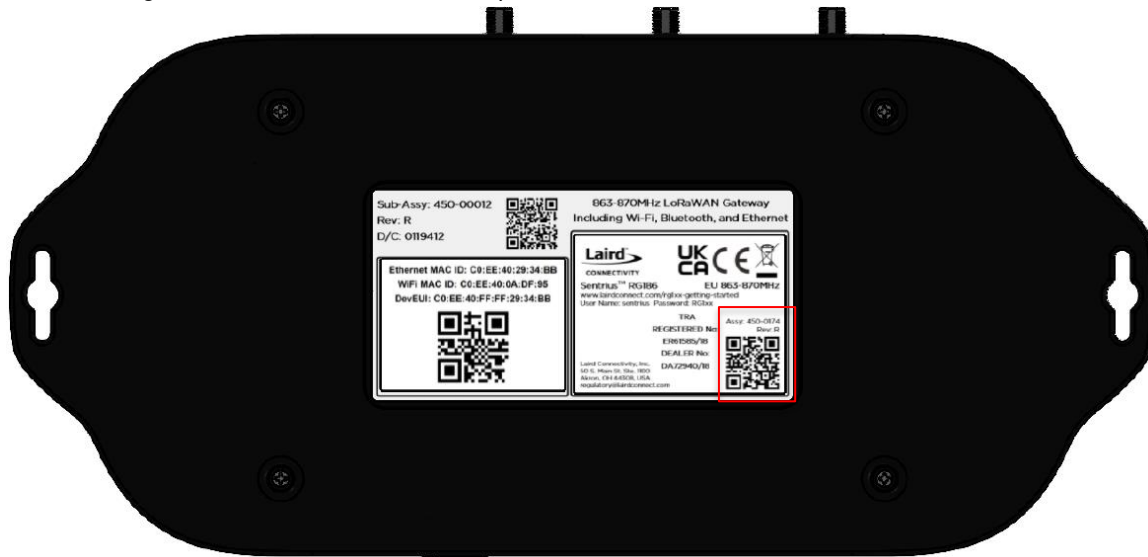
4 ANTICIPATED IMPACT OF THE CHANGE:

- Improved RF Performance to meet Carrier LTE Certifications in IP67 enclosures
- New features and bug improvements as per release notes, linked above

5 METHOD OF IDENTIFYING THE CHANGED PRODUCT

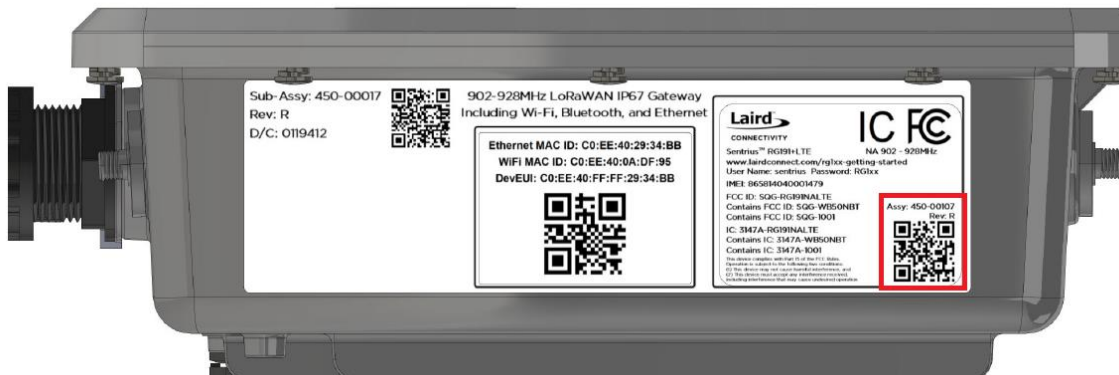
5.1 Assembly Part Number Changes (Product Back Label) Non-IP67

- Revision changes available as revision number printed and within the barcode.



5.2 Assembly Part Number Changes (Product Back Label) IP67

- Revision changes available as revision number printed and within the barcode.



5.3 Top Level Part Number Changes (Packaged Kits)

- The product revision level is defined as a revision number printed on the content label for all kits. The specific kit part number and revision can be found on the label within red square area, as highlighted below. (Picture will vary between IP67 and standard gateways)



6 FACTORY EFFECTIVITY DATE

- This will be a rolling change with products at the new revisions, shipping starting in the third quarter.

7 CONTACT INFORMATION:

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Product Change Notices (PCNs) will be distributed at the discretion of Laird Connectivity. Occasionally, Laird Connectivity may adjust product revision levels for internal tracking purposes only, and customers may not receive formal notifications associated with those revision changes.