

Purpose of change letter

The modification of SleepSure Base Station certified equipment

Model: 4669

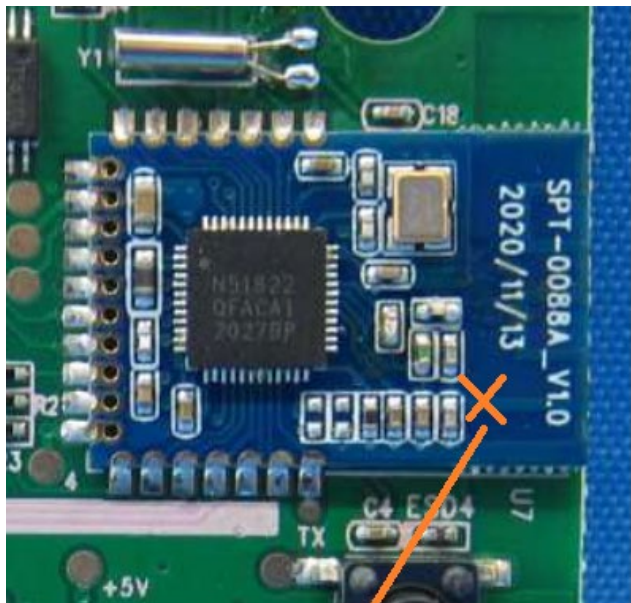
FCC ID: 2AW6I-4801

falls in the categories of changes allowed by class Two of permissive change being applied for. All changes do not intend for maximum power and change on field strength ratings and operating frequencies.

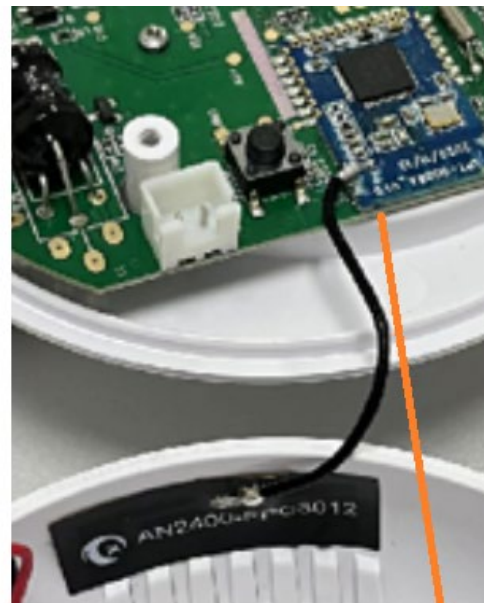
The change(s) is (are) listed as below:

Use of a F antenna instead of PCB trace antenna of the Bluetooth module. The purpose of such change is to improve transmit and receive distance range. The original PCB trace antenna is cut and the new antenna is directly soldered at the Bluetooth transceiver RF output by a 4cm 50ohm RF cable. The new antenna is located at the edge of the product but still kept internal and not user replaceable. The RF transceiver of Bluetooth module and frequency band is exactly the same as the existing certified product. Wifi module and its RF parameters remain unchanged. RF testing at a certified lab has been completed and has verified that RF performance has not degraded.

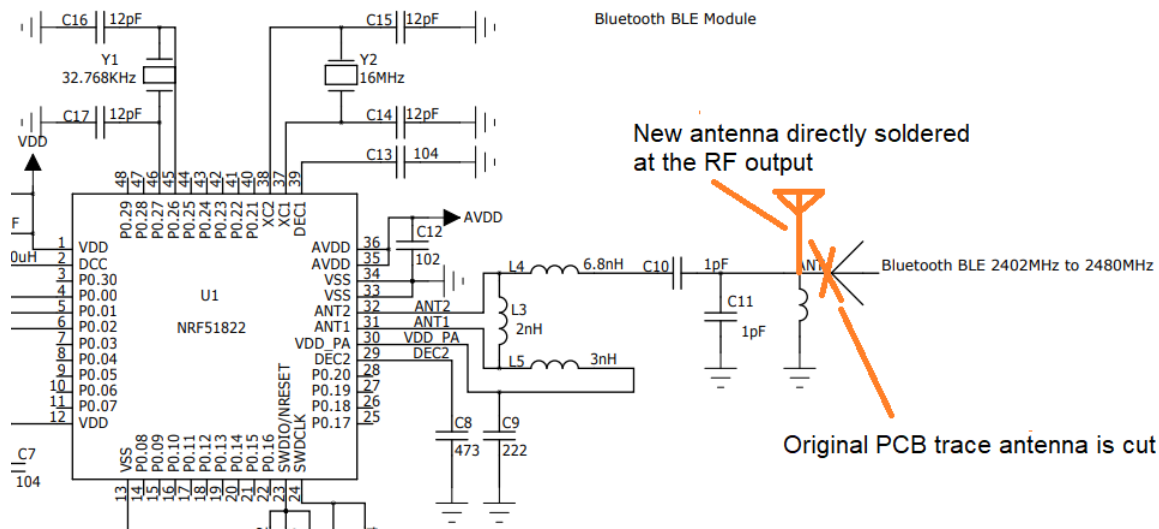
Portion of the circuit and photo of the Bluetooth module is shown below which details the implementation. There is no changes made to any of the RF circuitry or PCB.



Original PCB trace antenna is cut



New antenna directly soldered at the RF output



There is no function change to the product and other mechanical designs are identical to the original product.

Regards,

Jessica Macari

Jessica Macari, Senior Product Manager
May 20, 2022