

Insulet Corporation

10 Aug 2020

Attention: Application Examiner

RE: FCC Permissive II Change Request
Applicant: Insulet Corporation
FCC ID: RBV-SAW

To Whom It May Concern:

We are submitting an application for a Class II Permissive Change to the FCC for approval of the Company: Insulet Corporation, headquartered at 100 Nagog Park, Acton, MA. 01720.

Product Description

OmniPod DASH (FCC: RBV-SAW, Original Grant Date: 16-April-2020).

Objective of Change: The SAW Dash Pod (MyBlue DASH Generation 2) is a program that introduces a lower cost / reduced complexity version of MyBlue (DASH) Pod to the market. The objective of this change is to optimize the antenna impedance matching network to improve communications reliability.

Description of Changes

Key changes to the antenna impedance matching network are described below. See images/illustration below.

Schematic Changes

Figure 1 shows the original circuit design that that was submitted during the original FCC grant dated 16-April-20.

Figure 2 shows the proposed design change which consists of Bill of Materials (BOM) changes only. Per Figure 2, the PI filter is being bypassed with a 0Ω jumper and C11 and C14 removed. This PI filter was initially copied from the radio manufacturer (NXP QN9080) datasheet reference design and testing concludes that it is not needed. The BOM change removes C11 and C14 to improve antenna performance and to reduce cost. Capacitors C23 and C10 were changed from 2.0pF to 1.8pF and from 0.2pF to 0.4pF respectively.

Figure 1 – Current Antenna Design

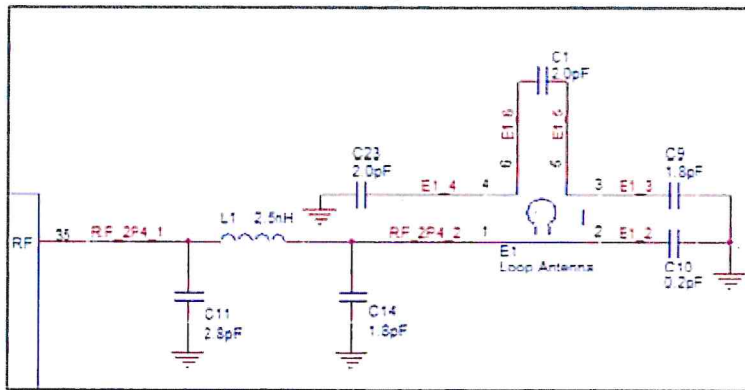
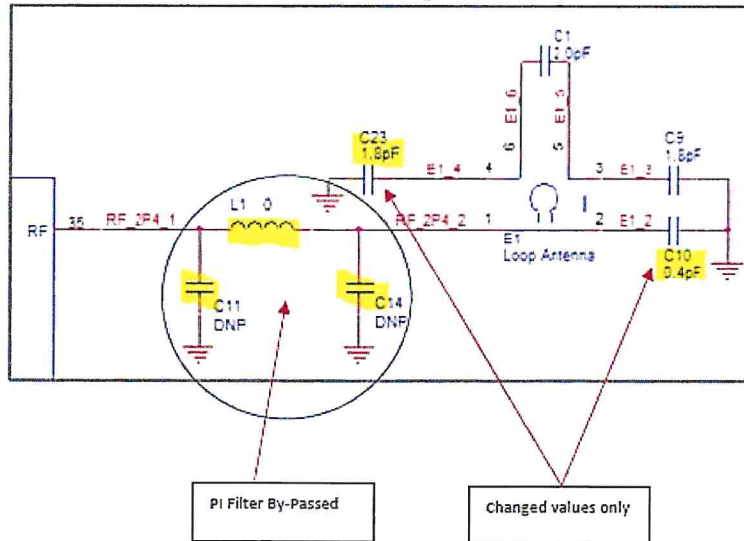


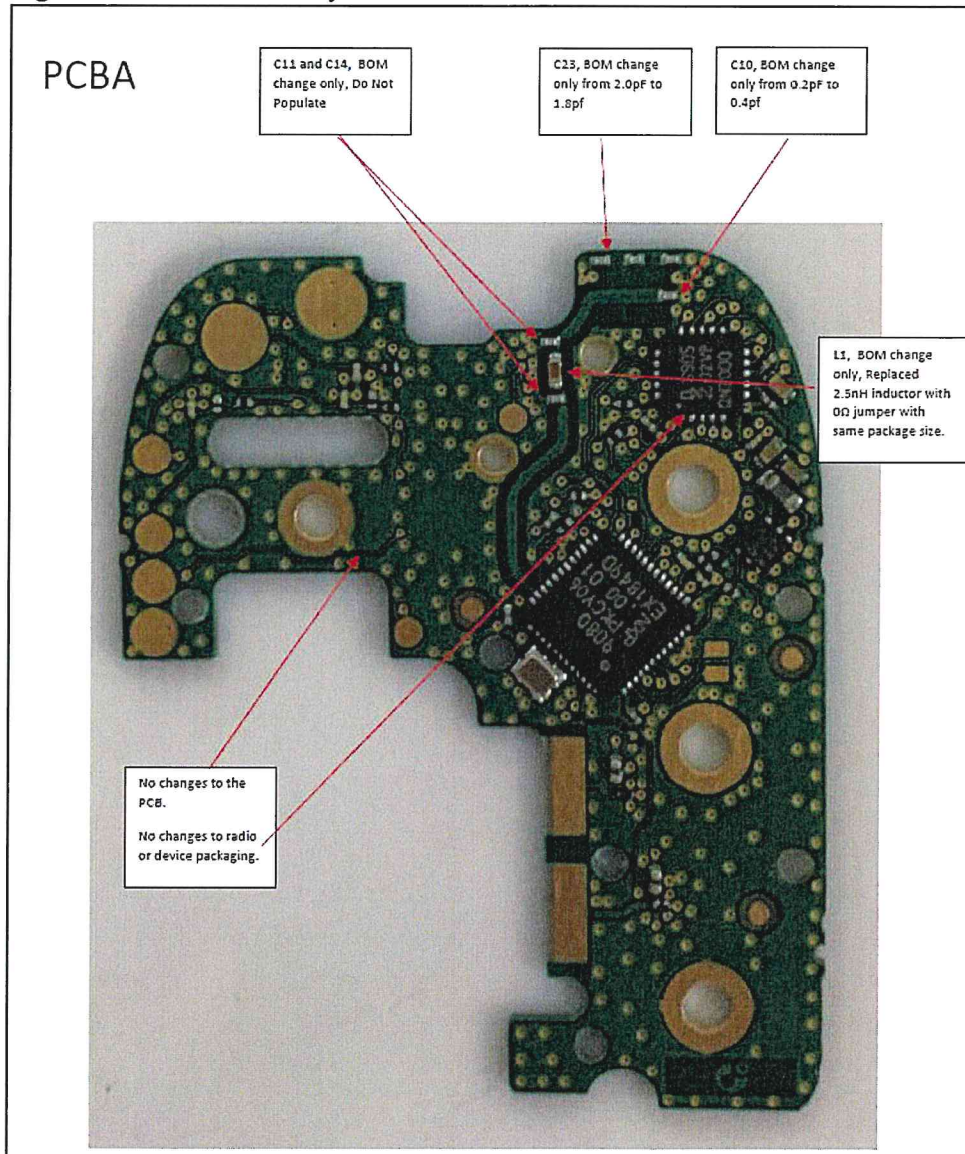
Figure 2 – Proposed Antenna Design



PCB Assembly Changes

Figure 3 reflects the resulting schematic changes from Figure 2 above. The Printed Circuit Board (PCB) has not changed and it is the same as was submitted during the original FCC grant dated 16-April-20. In addition, it is pointed out that device packaging has not changed.

Figure 3 – PCB Assembly



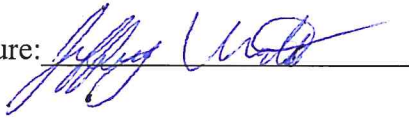
Insulet Corporation

Mechanical Features

The mechanical design, i.e. housing, assembly, packaging, shipping, storage, and Printed Circuit Board (PCB) have not changed.

Name: Jeffrey Urato

Signature: _____



Date: 10 August 2020