SONOS
The Home Sound System

Date: 4/02/2024

Attn: FCC Office of Engineering and Technology / UL Verification Services TCB

Ref: Class 2 Permissive Change (C2PCPX) for FCC ID: SBVRM014
Original approval date: 5/7/2018
Applicant: Sonos, Inc.

To Whom It May Concern

This is to request for a Class II Permissive Change to address the following proposed changes to the hardware for this device:

The radio design for Model S14 has two components in the RF path that are no longer in production: Qorvo QPF7221 (2.4 GHz FEM) and Murata LFD182G45DP (WiFi Diplexer).

We propose replacing them with electrically equivalent components: Qorvo QPF4211 (2.4 GHz FEM) + Qualcomm B7520 (SAW Filter) and TDK DPX167125DT (WiFi Diplexer)

Additional details are provided in the Schematics, modified Theory of Operation, and photograph exhibits for this application.

The purpose of this change is to replace the 2.4 GHz FEM (Front end module) & Diplexer that are no longer in production. Sonos would like to continue producing Sonos S14 (or Beam) per our FCC Grant.

This is a Class 2 Permissive change type C2PCPX. It is relatively minor in scope and only impacts 2.4GHz operation and does not impact 5 GHz, DFS, etc. No impact on BLE authorization. The RF exposure has not been affected by this change. The original RF exposure report remains valid for this C2PCPX filing. We will perform Radio pre-compliance on qualification samples with the new design for band edge, spurs, EIRP, PSD, RF exposure, coexistence testing, and others as required.

If you have any questions regarding this application, please feel free to contact me.

Sincerely yours,

Olivia Bennett

Olivia Bennett
Compliance Engineer
Sonos, Inc.