



DATE: February 24, 2021

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046

Re: Applicant: Tennant Company  
FCC ID: 2AYRZWILC3000  
Class II Permissive Change

Tennant Company requests a class II permissive change of a currently certified device under Part 2.1043. The radio equipment is IEEE 802.11 b/g/n link controller module with integrated Bluetooth 5.0. The equipment is compliant to FCC 15.247 and has the following FCC ID: 2AYRZWILC3000.

Maximum output power of the 802.11b/g/n part of the device was reduced from 266.07mW (24.25dBm) to 15.84mW (12.00dBm) to meet minimum separation distance per KDB 447498. This change was implemented via software and does not involve any electrical or mechanical changes to the module. This device will be implemented in the following 17 host machines: SS300, T300, T300e, SS500, T500, T500e, T600, T600e, SS350, T350, S16L, S16H, T17, M17, T20, M20, and M30. Minimum separation distance between 802.11b/g/n and humans across the 17 host machines is 2.373cm. The module will be used in conjunction with one cellular radio (FCC ID: XMR201707BG96 or FCC ID: XMR201910BG95M3 depending on model) in each of the host machines as well. Minimum separation distance between 802.11b/g/n and cellular radio across the 17 host machines is 23.2cm.

The Bluetooth part of the radio has not been modified and will not be implemented in the 17 host machines.

Test data showing reduction in output power of the 802.11b/g/n part of FCC ID 2AYRZWILC3000 has been submitted with this request.

Please let us know if you might require anything further to assist with your review of this class II permissive change.

Signature:

Date: April 13th, 2021

A handwritten signature in black ink, appearing to read "Curtis Bender".

Signed by Curtis Bender

10400 Clean Street  
Eden Prairie, MN 55344-2650

T: 763.540.1200  
F: 763.540.1437

[tennantco.com](http://tennantco.com)