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## **Federal Communications Commission Limited Single-Modular Transmitter Approval Request Letter**

09/21/2017

Reference: FCC ID: Z9O-92053026

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

Subject: Limited Single-Modular Transmitter Approval Requirements for the Federal Communications Commission, Equipment Authorization Branch certification for Ecolab, 92053026, NEXA HHCM TF BCN ASSY.

Dear Application Examiner,

Ecolab is requesting certification of the NEXA HHCM TF BCN ASSY (92053026) as a Limited Single-Modular Transmitter, constrained to use with operating host Ecolab Nexa Classic Touch Free Dispenser or Nexa Compact Touch Free Dispenser (please see the end of this documents for a full list of SKU numbers under which the Nexa Classic Touch Free Dispenser is sold). A description of the device's compliance with the FCC Section 15.212 Rules follows.

### **II. Modular Transmitters Subject to Section 15.212 Rules:**

#### **A. Single-modular transmitter**

The Ecolab 92053026 meets the following requirements:

- iii. The module must contain power supply regulation on the module;



- iv. The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);
- vi. The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements);
- vii. The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee;
- viii. The module must comply with RF exposure requirements.

#### **B. Limited single-modular transmitter**

The Ecolab 92053026 claims exemptions to the following items in Section A;

- i. The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly; *The Ecolab 92053026 passed all emission testing without shielding being installed.*
- ii. The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal; *The Ecolab 92053026 has no modulation or data inputs.*
- v. The module must demonstrate compliance in a stand-alone configuration; *The Ecolab 92053026 cannot operate in a stand-alone mode, but can only operate when installed inside a host Ecolab Nexa Classic Touch Free Dispenser or Nexa Compact Touch Free Dispenser (please see below for list of SKU numbers).*

The 92053026 is to only be installed by Ecolab personnel or authorized contractors. The module is to be marketed for use exclusively in Ecolab Nexa Classic Touch Free Dispenser or Nexa Compact Touch Free Dispenser with the following SKUs:

92021188 (NEXA CLSC TF DISP WHT 8PK)  
 92021189 (NEXA CLSC TF DISP BLK 8PK)  
 92021192 (NEXA CLSC TF DISP BLK 1PK)  
 92021193 (NEXA CLSC TF DISP WHT 1PK)  
 92021183 (NEXA CMPCT TF DISP BLK 6PK)  
 92021184 (NEXA CMPCT TF DISP WHT 6PK)  
 92211378 (NEXA CMPCT TF KAY WHT 1PK)  
 92211381 (NEXA CMPCT TF KAY BLK 1PK)

The installation of the product is controlled, preventing installation into host configurations not covered under the grant of certification. Compliance of the Ecolab 92053026 is ensured by the size and shape of the module, as well as the placement of both the connector plug and the mounting screw. These features preclude the Ecolab 92053026 from operating in any unit other than the Ecolab Nexa Classic Touch Free Dispenser or

Nexa Compact Touch Free Dispenser, which is sold under the following product SKUs (which differ only by color, number of dispensers per case, and target market).

90011062 (NEXA CLSC TF DISP MCF 1PK)  
90011070 (NEXA CLSC TF DISP WHT PF1PK)  
90011080 (NEXA CLSC TF DISP BLK PF1PK)  
90031050 (NEXA CLSC TF WHT SWSH 1PK)  
90031060 (NEXA CLSC TF BLK SWSH 1PK)  
90031070 (NEXA CLSC TF WHT PRCLN 1PK)  
90031080 (NEXA CLSC TF BLK PRCLN 1PK)  
92021136 (NEXA CLSC TF6.3 DISP WHT1PK)  
92021137 (NEXA CLSC TF6.3 DISP BLK1PK)  
92021188 (NEXA CLSC TF DISP WHT 8PK)  
92021189 (NEXA CLSC TF DISP BLK 8PK)  
92021192 (NEXA CLSC TF DISP BLK 1PK)  
92021193 (NEXA CLSC TF DISP WHT 1PK)  
92211668 (NEXA CLSC TF SSDC BLK 1PK)  
92211669 (NEXA CLSC TF SSDC WHT 1PK)  
92021197 (NEXA CLSC TF DISP MTLC 1PK)  
92211383 (NEXA CLSC TF MTLC ABHS 1PK)  
92211388 (NEXA CLSC TF MTLC HSAN 1PK)

90011061 (NEXA CMPCT TF DISP MCF 1PK)  
92021190 (NEXA CMPCT TF DISP BLK 1PK)  
92021191 (NEXA CMPCT TF DISP WHT 1PK)  
92021183 (NEXA CMPCT TF DISP BLK 6PK)  
92021184 (NEXA CMPCT TF DISP WHT 6PK)  
92211376 (NEXA CLSC TF KAY WHT 1PK)  
92211379 (NEXA CLSC TF KAY BLK 1PK)  
92211668 (NEXA CLSC TF SSDC BLK 1PK)  
92211669 (NEXA CLSC TF SSDC WHT 1PK)  
92211378 (NEXA CMPCT TF KAY WHT 1PK)  
92211381 (NEXA CMPCT TF KAY BLK 1PK)

Sincerely, ^



Leslie Curry

VP Gbl Innovative Product Registration

