

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Date: May-11-2026
Ref: Model Similarity and Difference Letter
FCC ID: 2BTRTS3

To Whom It May Concern:

We, **Planar Motor Incorporated**, hereby declare that our product family of magnetic levitation stator modules (Flyways) sharing the FCC ID: 2BTRTS3 consists of multiple model numbers that are electrically identical.

The models covered under this FCC ID are:

- **S3-AS-04.08 - e.g., Base Model tested by lab]**
- **S3-XY-04.Z**

X can be A, G, or T (performance level); Y can be S or N (shape); Z can be 2, 6, or 8 (revision).

Declaration of Similarity: All models listed above utilize the exact same printed circuit board assembly (PCBA), the same proprietary FPGA core logic, and the same TMS3705 RFID reader IC. Most importantly, the 134.2 kHz intentional radiator RF circuitry, including the antenna design, matching network, and component layout, is 100% identical across all models.

Declaration of Differences: The only differences between the model numbers are the external physical dimensions, shape, and weight of the outer metallic casing, which are varied to accommodate different industrial payload requirements for our OEM partners and customers.

RF Emissions Justification: The variations in the external casing shape do not affect the RF characteristics of the device. The intentional 134.2 kHz emissions dissipate to zero before reaching the periphery of the smallest product shape in this family. Because the antenna design remains constant and the radiated field does not interact with the outer casing boundaries, the physical dimensional changes of the larger models have no influence on the system's emission profile or compliance.

The test results from the representative model **S3-AS-04.08** are entirely applicable and representative of the worst-case emissions for all models listed in this family.

Sincerely,



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