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Marlene H. Dortch, Secretary
Federal Communications Commission
Office of the Secretary
445 12th Street, S.W.
Washington, D.C. 20554

Request for Modular Transmitter Grant (FCC ID NK73226316).

Dear Ms. Dortch:

Harris Corporation (“Harris”) respectfully requests a modular grant from the Federal Communications Commission (“FCC”) for single-modular transmitter device FCC ID NK73226316. This cover letter provides information as described in the FCC OET document 996369 D01 Module Certification Guide v01r03 (i.e. KDB 996369). NK73226316 is a single modular transmitter consisting of a complete RF transmission sub-assembly attached to a host device that is compliant with FCC rule policies independent of the host.

As specified in KDB 996369 Section IIA and Section III, NK73226316 complies with the analogous conditions of Section 15.212. NK73226316 complies with the eight requirements of Section 15.212 as detailed below:

1. The NK73226316 has shielding on all radio frequency circuitry. Specifically, the shielding enfolds the RF circuitry on all sides and complies with engineering best practices to mitigate RF coupling with the host device.
2. The NK73226316 has buffered modulation/data inputs to ensure compliance with Part 15 requirements for any type of input signal, including conditions of excessive data rates or over-modulation.
3. The NK73226316 contains a DC-DC power circuit card assembly providing power supply regulation.
4. The NK73226316 is marketed and operated only with specific antennas. The NK73226316 is deployed in a kit containing Laird TRA6927M3NB-001 antennas for use with the equipment. All operators are trained on proper installation and setup of the equipment using the provided antennas.
5. The NK73226316 was tested in a stand-alone configuration detached from the host device. The NK73226316 complies with the AC line conducted requirements found in § 15.207. The DC power lines and data input/output lines connected to the module do not contain ferrites. The length of the power and data lines used for testing are typical of actual use and



greater than 10 cm to ensure no coupling between the case of the module and supporting equipment. An unmodified commercially available power supply was connected to NK73226316 during testing.

6. The NK73226316 will be equipped with a permanently affixed FCC ID label on the side of the chassis as depicted in the FCC ID Label exhibit. The FCC ID Label is visible at all times even when attached externally to the host. In the event that NK73226316 is installed within a host device where the FCC ID label is not clearly visible, the host device will include a permanently affixed label indicating: "This device contains module FCC ID NK73226316".
7. The NK73226316 complies with the specific rules and operating requirements that apply to a complete transmitter. Each unit is deployed with operating instructions detailing exact operation of the equipment, and operators are required to receive training before operating the equipment. The operating instructions are included as an exhibit. In addition, the integration instructions are described in a separate exhibit.
8. The NK73226316 complies with the RF exposure requirements in its final configuration, as detailed in the RF exposure report exhibits.

In addition, two separate exhibits are provided as defined in KDB 996369.

- Clear and specific instructions describing the conditions, limitations and procedures for third-parties to use and/or integrate the module into a host device
- For non-Software Defined Radio transmitter modules where software is used to ensure compliance of the device, technical description of how such control is implemented to ensure prevention of third party modification

Respectfully,



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