



23 April 2020

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

FCC ID: R2H14114

Subject: Spectralux Envoy Permissive Change II Description

To Whom It May Concern:

This request is for a Permissive Change II under FCC ID R2H14114. The Envoy 15000-1, a follow-on data link product based on the Dlink 14114-1, uses the radio from Dlink with some minor changes to the radio receiver intermediate frequency circuit and a change to the control interface connection. The IF in the Envoy implementation is set to 45MHz, while the Dlink radio receiver uses a 21.4MHz IF. The transmitter implementation in Envoy and Dlink is identical. The other radio change involves how the control interface from the unit's processor card (separate from the radio) connects to the digital processing circuitry in the radio. In Envoy, this connection is accomplished through connections in the product's motherboard. In Dlink, this connection is made using a ribbon cable. The control interface is not part of the transmitter circuitry.

No other changes are being made to the radio transmitter. The circuit board is identical. RF output power and frequency tuning range are identical. Transmitter clock frequencies and frequency stability are unchanged. No changes have been made to the operating modes. Testing has indicated equivalent performance to the original radio configuration.

Best regards,

A handwritten signature in black ink, appearing to read "Frank E. Hummel", written over a horizontal line.

Frank E. Hummel
Director of Engineering



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