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25 February 2015

FEDERAL COMMUNICATIONS COMMISSIONS

Authorization and Evaluation Division

7435 Oakland Mills Road

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Subject: Bluefin 5G (P9J-645801) schematic clarification

To whom it may concern:

The BlueFin 5G radio mini-PCIE module (P9J-645201) is a Tropos Networks radio board. This 802.11 a/n operates in Master and Client mode, as defined by the IEEE 802.11 a/n standard. The radio is based on Atheros 3x3 AR9390 chip, though only two chains are routed to the antenna port.

Although the radio has component matching for all three 5G TX and RX chains (as shown on p. 4 of the schematics document) those components are used for termination purpose only. Only two TX/RX pairs of the chains used (LNA and PA schematic on p. 2) and routed to antenna MMCX connectors (J21 and J22; p. 4 of the schematics document).

Sincerely yours,

A handwritten signature in blue ink that reads "Andrew Balaschak". The signature is fluid and cursive.

Andrew Balaschak
Director, Product Management
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