

Date: April 30, 2026

Federal Communications Commission

Authorization and Evaluation Division

7435 Oakland Mills Rd

Columbia MD 21046-1609

Subject: Declaration of Model Difference

FCC ID: QXO-AP5022

To whom it may concern:

We, Extreme Networks, Inc. declare that the following models: AP5022, AP5022FX, AP5022S6D are electronically, mechanically, and structurally identical with respect to their main hardware design and RF capabilities, supporting Wi-Fi 2.4 GHz / 5 GHz / 6 GHz (6E), Bluetooth, IEEE 802.15.4, and UWB.

The primary differences among these models are limited to their antenna configurations. Detailed information is provided below.

Common Features:

- All three models share the same Scan antenna, Bluetooth antenna, 802.15.4 antenna, and UWB antenna designs (Internal Antennas).
- The PCBA layout, RF circuitry, and radio architecture are identical across all models.

6 GHz (6E) Equipment Class and Antenna Configuration:

Model: AP5022 & AP5022S6D

- Supported 6 GHz equipment classes: 6ID / 6SD
- Antenna usage: Antennas 5–14 (Internal) for all supported 6 GHz equipment classes.

Model: AP5022FX

This model supports both internal and external antennas, with the following 6 GHz configurations by radio:

- Radio 1
 - External Antennas Ant 1 & Ant 3
 - Supported equipment classes: 6SD
- Radio 3
 - Internal Antennas Ant 5–8: 6ID
 - External Antennas Ant 1 & Ant 3: 6SD
- Radio 4
 - Internal Antennas Ant 9–10
 - Supported equipment classes: 6ID + 6SD

Comparison Summary Table:

Feature	AP5022	AP5022S6D	AP5022FX
Wi-Fi Antenna	Internal (Not identical to others)	Internal (Not identical to others)	Internal & External
Scan Antenna	Internal (Same)	Internal (Same)	Internal (Same)
BT/802.15.4 Ant.	Internal (Same)	Internal (Same)	Internal (Same)
UWB Antenna	Internal (Same)	Internal (Same)	Internal (Same)
6GHz (6ID)	Ant 5~14(Internal)	Ant 5~14 (Internal)	Ant 5–8 (Internal), Ant 9–10 (Internal)
6GHz (6SD)	Ant 5~14 (Internal)	Ant 5~14 (Internal)	Ant 1 & 3 (External) Ant 9–10 (Internal)

Conclusion: Despite the variations in antenna types and 6GHz mapping, all models share the same electronic design. We confirm that these differences do not affect the fundamental RF characteristics beyond the antenna port configurations.

Sincerely,

Applicant : Extreme Networks, Inc.
Address : 2121 RDU Center Drive, Morrisville, North Carolina 27560 United States

Signature



Name and Job Title. : John Ballew, Senior Regulatory Compliance Manager
E-mail : jballew@Extremenetworks.com
Tel. : +1-603-952-5862