aruba
a Hewlett Packard Enterprise company

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

Attn: Office of Engineering and Technology.
FCC ID: Q9DAPEX017
Models: APEX017
Applicant: Aruba Networks
Date: July 8, 2019

To Whom It May Concern:

We, Aruba Networks submit this formal request to the FCC Authorization and Evaluation Division for an Expedited Review for the DFS radar testing required by KDB 388624 D01 Permit but Ask Procedure on FCC ID: Q9DAPEX017

Reasoning for Expedited Review:

The APEX017 (FCC ID: Q9DAPEX017) and the APINH303 (FCC ID: Q9DAPINH303) utilize the same Qualcomm-Atheros RF Chipset Model: IPQ4029 but have different PCB form factors, housing and Internal Antenna gains. The APINH303 utilizes 2 x Dual-Band Internal Antenna's with gains of 3.2dBi (2.4GHz) and 4.6dBi (5GHz). The APEX017 utilizes 2 x Dual-Band Internal Antennas with gains of 1.8dBi in 2.4GHz and 3.5dBi (5GHz) Band. FCC ID: Q9DAPINH303 DFS Verification testing was performed at the FCC on April 26, 2017. The DFS detection functionality has not been changed between these devices.

Please refer to page 2 for the "Expedited Review Information" table.

Sincerely,

Signature
Name/Position: Robert Hastings / Manager Regulatory Compliance
Phone: 650-236-9611
Email: rob.hastings@hpe.com

Expedited Review Required Information

	FCC ID(s) of Previously Granted DFS Devices Q9DAPINH303	**FCC ID of New Application Q9DAPEX017**
Technology (802.11x, frame based, MIMO, smart antenna, etc.)	802.11ac / MIMO	802.11ac / MIMO
Bandwidth information and differences	20, 40 and 80MHz	20, 40 and 80MHz
Antenna Information	DFS Testing: 4.6dBi	DFS Testing: 3.5dBi
Differences in DFS functioning, circuitry, software, etc.	Uses Qualcomm-Atheros Chipset IPQ4029 and DFS waveform detection mechanism	Uses Qualcomm-Atheros Chipset IPQ4029 and DFS waveform detection mechanism
Differences between the products such as Tx Power, modulation, receivers, processing circuitry	Supports 2 Tx / 2 Rx paths 21 dBm per path	Supports 2 Tx / 2 Rx paths 22 dBm per path
Name of Test Labs for Various Grants	MiCOM Labs	SPORTON INTERNATIONAL INC.