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

Attn: Office of Engineering and Technology.

FCC ID: Q9DAPINR108109
Models: APINR108 and APINR109
Applicant: Aruba Networks
Date: July 21, 2016

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: Q9DAPINR108109

Reasoning for Expedited Review:

The APINR108109 (FCC ID: Q9DAPIN0103) and the APINH103 (FCC ID: Q9DAPINH103) utilize the same Qualcomm-Atheros RF Chipset Model: AR9344 and AR9582 but have different PCB form factors, housing and antenna gains. The APINH103 utilizes 2 x Dual-Band Integrated Antenna's with a Gain of 3.6 dBi in 2.4GHz and 3.3 dBi in 5GHz Band, the APIN0108 utilizes 2 x Dual-Band External Antennas with lowest gains of 2.0dBi in 2.4GHz and 2.5 dBi in 5GHz Band, while the APINR109 utilizes 2 x 2.4GHz Integral Antennas with 5.0dBi Gain and 2 x 5GHz Integral Antennas with 50dBi Gain. FCC ID: Q9DAPINH103 DFS Verification testing was performed at the FCC on July 20, 2016. The DFS detection functionality has not been changed between these devices.

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

Sincerely,

Signature
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Expedited Review Required Information

	FCC ID(s) of Previously Granted DFS Devices Q9DAPINH103	**FCC ID of New Application Q9DAPINR108109**
Technology (802.11x, frame based, MIMO, smart antenna, etc.)	802.11n/MIMO	802.11n/MIMO
Bandwidth information and differences	20 and 40MHz	20 and 40MHz
Antenna Information and Differences	DFS Testing: 3.3 dBi	DFS Testing: 2.5dBi
Differences in DFS functioning, circuitry, software, etc.	Uses Qualcomm-Atheros Chipset AR9344 and DFS waveform detection mechanism	Uses Qualcomm-Atheros Chipset AR9344 and DFS waveform detection mechanism
Differences between the products such as Tx power, modulation, receivers, processing circuitry	Supports 2 Tx / 2 Rx paths 18 dBm per path	Supports 2 Tx / 2 Rx paths 18 dBm per path
Names of test labs for various Grants	Intertek Testing Services Limited Shanghai (FCC Registration #: 236597)	MRT Technology (Suzhou) Co., Ltd FCC Registered (MRT #809388)