
In the Matter of

Extreme Networks Inc.
Application for the use of Program Experimental License

Supporting Technical Description

Extreme Networks Inc., A leading manufacturer of Enterprise class, wired and wireless networking equipment is requesting the issuance of a Program Experimental License for 7 Months beginning February 1,2024. This license would be used to perform research on our outdoor Model AP5050 (FCC ID: QXO-AP5050) access point for AFC performance in relationship with our AFC provider referencing KDB 987594. These experiments will be performed at the locations listed below to prove out AFC functionality of the AP5050 Access Point at various locations in the United States. Extreme Networks is partnered with Broadcom Inc. and AFC provider Wi-Fi Alliance Services Corporation (WASCo) along with major partners listed to obtain performance data on existing AFC systems and the Extreme Networks Access Point.

The purpose of the experiment will be to gather information on operations and validating channel plans based on information provided by WASCo and will be verified for each specific location. The collection of AFC data for these locations will be valuable in verifying the entire operational AFC system. Extreme engineers will use this information to confirm that our software performs as intended when operating in conjunction with the active WASCo AFC system in a real time environment.

Technical parameters as specified in KDB987594 will be adhered to and operation outside of these parameters will be restricted. The Access point will only operate in U-NII Bands 5 and 7 under Part 15e rules 6E. A proprietary test code will be used and will not be released to the public. The performance of these experiments will be performed by qualified RF engineers from Extreme Networks Only. Channels of operation and output powers will be limited and utilized based on AFC information provided and will be updated daily. Maximum antenna gain is 5.92dBi. If there are any issues that require the experiments be curtailed the Stop Buzzer point of contact will be John Ballew Direct Phone : 603-540-1042.

The results of these experiments will be provided to the FCC upon completion of the license term.

Proposed locations for the experiments:

Places for AFC Standard Power Outdoor Experimental License

HOUSTON TEXANS - NRG STADIUM – 820 Standard Power

Lat Long :29.693180, -95.407840 GPS: 29° 41' 35.448" N 95° 24' 28.224" W

Houston, Texas 77054

679 AP5050U Underseat

46 AP5050U not-underseat on pole

95 AP5050D

SF Giants – 562 Standard Power

Lat Long : 37.778419, -122.390617 GPS: 37° 46' 42.3084" N 122° 23' 26.2212" W

San Francisco CA 94107

178 5050D

384 5050U

BYU - 1170 Standard Power

Lat Long : 40.256372, -111.656014 GPS: 40° 19' 19.497" N 111° 34' 53.795" W

Provo UT 84604

1098 AP5050U

68 50500D

4 5050U (non under seat) - poles

Cedar Fair- 153 Standard Power

Lat Long : 35.1006838, -80.9495144 GPS: 35° 6' 2.462" N 80° 56' 58.251" W

Carowinds
14523 Carowinds Boulevard
Charlotte, NC 28277
(704) 588-2600

- 5050U – 21
- 5050D – 132

Carowinds still has guests in park until Christmas break... after Christmas it will be empty until Memorial Day

WPLC Convention in Phoenix Az
AP5050U (1)

Hilton Phoenix Resort at the Peak
7677 N 16th St, Phoenix, AZ 85020

Lat Long: 33.5480228, -112.046227 GPS: 33° 32' 52.882" N 112° 2' 46.417" W
Elevation: 394 m

David Coleman's Residence

68 Forest Trail
Blue Ridge, GA 30319

AP5050U (1)

Lat Long: 34.82621, -84.28137 GPS: 33° 46' 20.82" N 84° 21' 26.423" W
Elevation: 590 m

Mark McCosh

Lat Long: 29.11224, -80.97113 GPS: 29° 6' 44.091" N 80° 58' 16.069" W
5987 Riverside Drive, Port Orange FL 32127

AP5050U (1)

Andrew Garcia

Lat Long: 37.9168188, -122.3531816 GPS: 37° 55' 0.548" N 122° 21' 11.453" W
1712 Northshore Dr. Richmond, CA 94804

AP5050U (1)

Thomas Sophiea

Lat Long: 28.624949, -81.083561 GPS: 28° 37' 29.816" N 81° 5' 0.819" W
1790 terra Verde In, Chuluota, FL 32766

AP5050U (1)

Viten Patel

Lat Long: 35.7133255, -78.9329743 GPS: 35° 42' 47.972" N 78° 55' 58.707" W
1856 elder bank Dr, apex NC 27502

AP5050U (1)

Rosalie Bibona

Lat Long: 28.6623349, -81.1865031 GPS: 28° 39' 44.406" N 81° 11' 11.411" W
402 Lakepark Trail, Oviedo, FL 32765

AP5050U (1)

Yok Ho

Lat Long: 37.2381751, -121.7851159 GPS: 37° 14' 17.43" N 121° 47' 6.417" W

Extreme Networks 6480 Via Del Oro San Jose, CA 95119-1208
AP5050U (1)

Respectfully submitted,

A handwritten signature in black ink that reads "John Ballew". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

John Ballew
Senior Regulatory Compliance Manager
Extreme Networks
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January 18, 2024