PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
455 12TH STREET, S.W.
WASHINGTON, D.C. 20554

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Report No. 496 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 9/1/17 to 9/30/17:

- **BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. WI2XTX 0158-EX-CN-2017**
  New experimental to operate in 350.40 - 351.60 MHz for UAS testing.
  Mobile: Temporary Fixed Ground Operations, Merrimack, NH

- **BOEING COMPANY, THE WJ2XBH 0653-EX-CN-2017**
  New experimental to operate in 0.50 - 150.00 kHz for antenna testing.
  Mobile: Within the US

- **BOEING COMPANY, THE WJ2XBP 0703-EX-CN-2017**
  New experimental to operate in 4400.00 - 4950.00 MHz to operate a Viasat Enerlinks iii data link.
  Mobile: Warrenton, VA; Rome, NY; Mayaguez, PR

- **CENTURYTEL BROADBAND SERVICES, LLC WJ2XBX 0699-EX-CN-2017**
  New experimental to operate in 27500.00 - 28350.00 MHz to test equipment in that band.
  Fixed: Littleton (Arapahoe), CO

- **CELLCO PARTNERSHIP WJ2XBE 0654-EX-CN-2017**
  New experimental to operate in 3550.00 - 3700.00 MHz to evaluate the radio characteristics of that band.
  Mobile: Irving, TX

- **EBR SYSTEMS INC WJ2XCC 0679-EX-CN-2017**
  New experimental to operate in 402.00 - 405.00 MHz and Equipment testing at 400 MHz and 2.4 GHz bands
  Mobile: Nationwide at limited clinical trial locations

- **ERICSSON WJ2XCA 0565-EX-CN-2017**
  New experimental to operate in 1920.00 - 2170.00 MHz for equipment testing
  Fixed: Groveport (Franklin), OH

- **ERICSSON WJ2XCE 0633-EX-CN-2017**
  New experimental to operate in 1920.00 - 2170.00 MHz for testing LTE equipment at 2 GHz
  Fixed: Mason (Warren), OH

- **ERICSSON WJ2XCH 0712-EX-CN-2017**
  New experimental to operate in 27.50 - 28.50 GHz for testing 5G technology
  Fixed & Mobile: Philadelphia (Philadelphia), PA

- **FUNDAMENTAL HOLDINGS, CORP. WJ2XBT 0716-EX-CN-2017**
  New experimental to operate in 3500.00 - 3700.00 MHz for testing LTE
  Fixed: Divide (Teller), CO

- **IRIDIUM SATELLITE LLC WJ2XBR 0693-EX-CN-2017**
  New experimental to operate in 1618.725 - 1626.00 MHz to test a prototype global Maritime Distress and Safety Service.
  Mobile: Nationwide US

- **L3 TECHNOLOGIES WJ2XAR 0545-EX-CN-2017**
  New experimental to operate in 9300.00 - 10000.00 MHz to calibrate a radar detection system.
  Mobile: 150 km Galveston TX over Gulf of Mexico; Waco, TX

- **L3 TECHNOLOGIES WJ2XBY 0702-EX-CN-2017**
  New experimental to operate on spot frequencies between 128.90 and 131.25 MHz for Electromagnetic Compatibility Testing.
  Fixed: Waco (McLennan), TX

- **LEIDOS, INC. WI2XYO 0447-EX-CN-2017**
  To support various radio systems in an aircraft.
  Mobile Bridgewater, VA

- **LEIDOS, INC. WI2XZF 0450-EX-CN-2017**
  New experimental to operate in 14.00 - 14.393 GHz to test functionality and performance of the VIASAT terminal.
  Mobile: Bridgewater, VA

- **LOCKHEED MARTIN CORPORATION WJ2XBL 0683-EX-CN-2017**
  New experimental to operate on 400 MHz and 800 MHz To perform signal testing.
  Mobile: Aztec, AZ

- **MICROSOFT CORPORATION WJ2XCD 0662-EX-CN-2017**
  New experimental to operate in 54.00 - 698.00 MHz and to test TV white spaces.
  Mobile: School bus route in Hillman, MI.

- **MOVANDI CORPORATION WJ2XBC 0608-EX-CN-2017**
  New experimental to operate in 29.70 - 31.00 GHz to test equipment for 5G networks.
  Mobile: San Francisco, CA

- **NOKIA WJ2XCP 0398-EX-CN-2017**
  New experimental to operate in 27.5-28.35 GHz for evaluation of 28 GHz performance in a real network environment simulating what a possible 5G deployment would look like.
  Fixed: Kalamazoo, MI

- **OKLAHOMA STATE UNIVERSITY-UNIVERSITY MULTISPECTRAL LABORATORIES, LLC WJ2XCF 0696-EX-CN-2017**
  New experimental to operate in 1920.00 - 1930.00 and 2110.00 - 2120.00 MHz for RF test range testing of equipment
  Mobile: Operate within the Chilocco campus perimeter, Newkirk, OK

- **PANASONIC CORPORATION WJ2XBK 0639-EX-CN-2017**
  New experimental to operate on 5.8 GHz for equipment testing
  Mobile: Farmington Hills

- **PERFECTO MOBILE WJ2XBJ 0531-EX-CN-2017**
  New experimental to operate on 1575 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
  Fixed: Lowell (Middlesex), MA

- **PILOT COMMUNICATIONS WJ2XAW 0430-EX-CN-2017**
  New experimental to operate in 3550.00 - 3650.00 MHz for equipment testing
  Fixed: Stockton (San Joaquin), CA

- **QUALCOMM TECHNOLOGIES, INC. WJ2XCN 0704-EX-CN-2017**
  New experimental to operate in 11.70 - 12.20 GHz for antenna pattern testing.
  Fixed: San Diego (San Diego), CA

- **QUALCOMM TECHNOLOGIES, INC WJ2XBV 0705-EX-CN-2017**
  New experimental to operate to support a small 5G R&D network.
  Mobile 0.8 km surrounding 5775 Morehouse Drive (Bldg. N)

- **RAYTHEON MISSILE SYSTEMS WI2XZW 0487-EX-CN-2017**
  New experimental to operate on 351.00 and 362.25 MHz to test UAS/UAV.
  Mobile: Tucson (Pima), AZ

- **RIVA NETWORKS INC. WJ2XCJ 0692-EX-CN-2017**
  New experimental to operate in 835.00 - 851.00 and 1850.00 - 1990.00 MHz to test small cell technologies.
  Mobile: Continental United States - half mile radius

- **ROW 44, INC. WI2XZZ 0549-EX-CN-2017**
  New experimental to operate in 29250.00 - 30000.00 MHz to test antenna in Ka-Band.
  Mobile: Continental U.S.

- **SRC INC. WJ2XAM 0402-EX-CN-2017**
  New experimental to operate on 1222 MHz for operation of an AN/TPQ-50(V)3 radar under government contract.
  Mobile: St. Louis, MO

- **TELEPHONICS CORPORATION WJ2XAJ 0585-EX-CN-2017**
  New experimental to operate in 9250.00 - 9500.00 MHz for testing Terma.
  Fixed: Farmingdale (Suffolk), NY

- **THALES AVIONICS, INC. WJ2XAX 0621-EX-CN-2017**
  New experimental to operate in 1618.725 - 1626.00 MHz for testing earth stations.
  Fixed: Melbourne (Brevard), FL; Phoenix (Maricopa), AZ; Little Rock (Pulaski), AR; Seattle (King), WA

- **TRIDENT SPACE WJ2XBG 0571-EX-CN-2017**
  New experimental to operate in 9200.00 - 10000.00 MHz for testing Synthetic Aperture Radar (SAR).
  Fixed: Bluemont (Loudoun), VA

- **UNIVERSITY OF TEXAS AT AUSTIN, THE WH2XYR 0476-EX-PL-2015**
  New experimental to operate in 437.00 - 438.00 MHz for testing Cubesat.
  Mobile: Nongeostationary Space Orbit