

**Explanation of Further Request for Use of Additional Spectrum  
And  
Amendment of Previously Granted STA**

Subsequent to filing the initial STA request, the demand for spectrum use at this event grew necessitating a request for additional spectrum. In that a previous request for additional spectrum was only partially granted and even more demand for spectrum has arisen, a further request for additional frequencies is being made. In that a STA has already been granted (File # 0746-EX-ST-2016, Call Sign WK9XAS - copy attached) a new application is being filed to amend that STA; therefore, all of the previously granted frequencies have been included.

The additional spectrum requested in this application is for the microwave bands listed below. The requested spectrum is in the ISM bands 2,400 – 2,500 MHz, 5,725 – 5,875 MHz and the radiolocation band 2,900 – 3,100 MHz. Although these bands are not ideal they would appear to be the least intrusive to other users. The maximum power will not exceed 100 mW, the operating bandwidth will not extend beyond the edge of the requested bands and usage will be restricted to inside the venues that will be under the control of a site frequency coordinator; therefore, no interference is anticipated to other users.

Frequency bands requested:

2405 – 2495 MHz

2905 – 3095 MHz

5730 – 5870 MHz

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WK9XAS

(Call Sign)

XD MO

(Class of Station)

0746-EX-ST-2016

(File Number)

NAME Broad Comm Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

Provide support of media coverage and logistics for the Democratic National Convention in Philadelphia, PA

Station Locations

- (1) MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

**Frequency Information**

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
180.5-185.5 MHz	MO	54K0F3E	2 W (ERP)	
186.5-191.5 MHz	MO	54K0F3E	2 W (ERP)	
210.5-215.5 MHz	MO	54K0F3E	2 W (ERP)	

This authorization effective July 11, 2016 and will expire 3:00 A.M. EST July 30, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
216-217 MHz	MO	10K0F3E	100 mW (ERP)	
451.3 MHz	MO	11K2F3E	25 W (ERP)	
451.325 MHz	MO	11K2F3E	25 W (ERP)	
451.35 MHz	MO	11K2F3E	25 W (ERP)	
451.4 MHz	MO	11K2F3E	25 W (ERP)	
451.45 MHz	MO	11K2F3E	25 W (ERP)	
451.5 MHz	MO	11K2F3E	25 W (ERP)	
451.725 MHz	MO	11K2F3E	25 W (ERP)	
451.775 MHz	MO	11K2F3E	25 W (ERP)	
451.825 MHz	MO	11K2F3E	25 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
451.85 MHz	MO	11K2F3E	25 W (ERP)	
451.875 MHz	MO	11K2F3E	25 W (ERP)	
451.9 MHz	MO	11K2F3E	25 W (ERP)	
451.925 MHz	MO	11K2F3E	25 W (ERP)	
451.95 MHz	MO	11K2F3E	25 W (ERP)	
451.975 MHz	MO	11K2F3E	25 W (ERP)	
452 MHz	MO	11K2F3E	25 W (ERP)	
452.025 MHz	MO	11K2F3E	25 W (ERP)	
452.075 MHz	MO	11K2F3E	25 W (ERP)	
452.1 MHz	MO	11K2F3E	25 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
452.125 MHz	MO	11K2F3E	25 W (ERP)	
452.15 MHz	MO	11K2F3E	25 W (ERP)	
452.175 MHz	MO	11K2F3E	25 W (ERP)	
452.2 MHz	MO	11K2F3E	25 W (ERP)	
452.225 MHz	MO	11K2F3E	25 W (ERP)	
452.25 MHz	MO	11K2F3E	25 W (ERP)	
452.275 MHz	MO	11K2F3E	25 W (ERP)	
452.3 MHz	MO	11K2F3E	25 W (ERP)	
452.35 MHz	MO	11K2F3E	25 W (ERP)	
452.4 MHz	MO	11K2F3E	25 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
452.45 MHz	MO	11K2F3E	25 W (ERP)	
452.5 MHz	MO	11K2F3E	25 W (ERP)	
456.3 MHz	MO	11K2F3E	25 W (ERP)	
456.325 MHz	MO	11K2F3E	25 W (ERP)	
456.35 MHz	MO	11K2F3E	25 W (ERP)	
456.4 MHz	MO	11K2F3E	25 W (ERP)	
456.45 MHz	MO	11K2F3E	25 W (ERP)	
456.5 MHz	MO	11K2F3E	25 W (ERP)	
456.725 MHz	MO	11K2F3E	25 W (ERP)	
456.775 MHz	MO	11K2F3E	25 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
456.825 MHz	MO	11K2F3E	25 W (ERP)	
456.85 MHz	MO	11K2F3E	25 W (ERP)	
456.875 MHz	MO	11K2F3E	25 W (ERP)	
456.9 MHz	MO	11K2F3E	25 W (ERP)	
456.925 MHz	MO	11K2F3E	25 W (ERP)	
456.95 MHz	MO	11K2F3E	25 W (ERP)	
456.975 MHz	MO	11K2F3E	25 W (ERP)	
457 MHz	MO	11K2F3E	25 W (ERP)	
457.025 MHz	MO	11K2F3E	25 W (ERP)	
457.075 MHz	MO	11K2F3E	25 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
457.1 MHz	MO	11K2F3E	25 W (ERP)	
457.125 MHz	MO	11K2F3E	25 W (ERP)	
457.15 MHz	MO	11K2F3E	25 W (ERP)	
457.175 MHz	MO	11K2F3E	25 W (ERP)	
457.2 MHz	MO	11K2F3E	25 W (ERP)	
457.225 MHz	MO	11K2F3E	25 W (ERP)	
457.25 MHz	MO	11K2F3E	25 W (ERP)	
457.275 MHz	MO	11K2F3E	25 W (ERP)	
457.3 MHz	MO	11K2F3E	25 W (ERP)	
457.35 MHz	MO	11K2F3E	25 W (ERP)	



## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
457.4 MHz	MO	11K2F3E	25 W (ERP)	
457.45 MHz	MO	11K2F3E	25 W (ERP)	
457.5 MHz	MO	11K2F3E	25 W (ERP)	
461.025 MHz	MO	11K2F3E	20 W (ERP)	
461.0375 MHz	MO	11K2F3E	20 W (ERP)	
461.05 MHz	MO	11K2F3E	20 W (ERP)	
461.0625 MHz	MO	11K2F3E	20 W (ERP)	
461.075 MHz	MO	11K2F3E	20 W (ERP)	
461.0875 MHz	MO	11K2F3E	20 W (ERP)	
461.1 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
461.1125 MHz	MO	11K2F3E	20 W (ERP)	
461.125 MHz	MO	11K2F3E	20 W (ERP)	
461.1375 MHz	MO	11K2F3E	20 W (ERP)	
461.15 MHz	MO	11K2F3E	20 W (ERP)	
461.1625 MHz	MO	11K2F3E	20 W (ERP)	
461.175 MHz	MO	11K2F3E	20 W (ERP)	
461.1875 MHz	MO	11K2F3E	20 W (ERP)	
461.2 MHz	MO	11K2F3E	20 W (ERP)	
461.2125 MHz	MO	11K2F3E	20 W (ERP)	
461.225 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
461.2375 MHz	MO	11K2F3E	20 W (ERP)	
461.25 MHz	MO	11K2F3E	20 W (ERP)	
461.2625 MHz	MO	11K2F3E	20 W (ERP)	
461.275 MHz	MO	11K2F3E	20 W (ERP)	
461.2875 MHz	MO	11K2F3E	20 W (ERP)	
461.3 MHz	MO	11K2F3E	20 W (ERP)	
461.3125 MHz	MO	11K2F3E	20 W (ERP)	
461.325 MHz	MO	11K2F3E	20 W (ERP)	
461.3375 MHz	MO	11K2F3E	20 W (ERP)	
461.35 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
461.3625 MHz	MO	11K2F3E	20 W (ERP)	
461.375 MHz	MO	11K2F3E	20 W (ERP)	
461.4 MHz	MO	11K2F3E	20 W (ERP)	
461.425 MHz	MO	11K2F3E	20 W (ERP)	
461.45 MHz	MO	11K2F3E	20 W (ERP)	
462.1875 MHz	MO	11K2F3E	20 W (ERP)	
462.2 MHz	MO	11K2F3E	20 W (ERP)	
462.2125 MHz	MO	11K2F3E	20 W (ERP)	
462.225 MHz	MO	11K2F3E	20 W (ERP)	
462.2375 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.25 MHz	MO	11K2F3E	20 W (ERP)	
462.2625 MHz	MO	11K2F3E	20 W (ERP)	
462.275 MHz	MO	11K2F3E	20 W (ERP)	
462.2875 MHz	MO	11K2F3E	20 W (ERP)	
462.3 MHz	MO	11K2F3E	20 W (ERP)	
462.3125 MHz	MO	11K2F3E	20 W (ERP)	
462.325 MHz	MO	11K2F3E	20 W (ERP)	
462.3375 MHz	MO	11K2F3E	20 W (ERP)	
462.35 MHz	MO	11K2F3E	20 W (ERP)	
462.3625 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.3875 MHz	MO	11K2F3E	20 W (ERP)	
462.4 MHz	MO	11K2F3E	20 W (ERP)	
462.4125 MHz	MO	11K2F3E	20 W (ERP)	
462.425 MHz	MO	11K2F3E	20 W (ERP)	
462.4375 MHz	MO	11K2F3E	20 W (ERP)	
462.45 MHz	MO	11K2F3E	20 W (ERP)	
462.4625 MHz	MO	11K2F3E	20 W (ERP)	
462.475 MHz	MO	11K2F3E	20 W (ERP)	
462.4875 MHz	MO	11K2F3E	20 W (ERP)	
462.5 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.5125 MHz	MO	11K2F3E	20 W (ERP)	
462.525 MHz	MO	11K2F3E	20 W (ERP)	
463.2 MHz	MO	11K2F3E	20 W (ERP)	
466.025 MHz	MO	11K2F3E	20 W (ERP)	
466.0375 MHz	MO	11K2F3E	20 W (ERP)	
466.05 MHz	MO	11K2F3E	20 W (ERP)	
466.0625 MHz	MO	11K2F3E	20 W (ERP)	
466.075 MHz	MO	11K2F3E	20 W (ERP)	
466.0875 MHz	MO	11K2F3E	20 W (ERP)	
466.1 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
466.1125 MHz	MO	11K2F3E	20 W (ERP)	
466.125 MHz	MO	11K2F3E	20 W (ERP)	
466.1375 MHz	MO	11K2F3E	20 W (ERP)	
466.15 MHz	MO	11K2F3E	20 W (ERP)	
466.1625 MHz	MO	11K2F3E	20 W (ERP)	
466.175 MHz	MO	11K2F3E	20 W (ERP)	
466.1875 MHz	MO	11K2F3E	20 W (ERP)	
466.2 MHz	MO	11K2F3E	20 W (ERP)	
466.2125 MHz	MO	11K2F3E	20 W (ERP)	
466.225 MHz	MO	11K2F3E	20 W (ERP)	



## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
466.2375 MHz	MO	11K2F3E	20 W (ERP)	
466.25 MHz	MO	11K2F3E	20 W (ERP)	
466.2625 MHz	MO	11K2F3E	20 W (ERP)	
466.275 MHz	MO	11K2F3E	20 W (ERP)	
466.2875 MHz	MO	11K2F3E	20 W (ERP)	
466.3 MHz	MO	11K2F3E	20 W (ERP)	
466.3125 MHz	MO	11K2F3E	20 W (ERP)	
466.325 MHz	MO	11K2F3E	20 W (ERP)	
466.3375 MHz	MO	11K2F3E	20 W (ERP)	
466.35 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
466.3625 MHz	MO	11K2F3E	20 W (ERP)	
466.375 MHz	MO	11K2F3E	20 W (ERP)	
466.4 MHz	MO	11K2F3E	20 W (ERP)	
466.425 MHz	MO	11K2F3E	20 W (ERP)	
466.45 MHz	MO	11K2F3E	20 W (ERP)	
467.1875 MHz	MO	11K2F3E	20 W (ERP)	
467.2 MHz	MO	11K2F3E	20 W (ERP)	
467.2125 MHz	MO	11K2F3E	20 W (ERP)	
467.225 MHz	MO	11K2F3E	20 W (ERP)	
467.2375 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.25 MHz	MO	11K2F3E	20 W (ERP)	
467.2625 MHz	MO	11K2F3E	20 W (ERP)	
467.275 MHz	MO	11K2F3E	20 W (ERP)	
467.2875 MHz	MO	11K2F3E	20 W (ERP)	
467.3 MHz	MO	11K2F3E	20 W (ERP)	
467.3125 MHz	MO	11K2F3E	20 W (ERP)	
467.325 MHz	MO	11K2F3E	20 W (ERP)	
467.3375 MHz	MO	11K2F3E	20 W (ERP)	
467.35 MHz	MO	11K2F3E	20 W (ERP)	
467.3625 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.3875 MHz	MO	11K2F3E	20 W (ERP)	
467.4 MHz	MO	11K2F3E	20 W (ERP)	
467.4125 MHz	MO	11K2F3E	20 W (ERP)	
467.425 MHz	MO	11K2F3E	20 W (ERP)	
467.4375 MHz	MO	11K2F3E	20 W (ERP)	
467.45 MHz	MO	11K2F3E	20 W (ERP)	
467.4625 MHz	MO	11K2F3E	20 W (ERP)	
467.475 MHz	MO	11K2F3E	20 W (ERP)	
467.4875 MHz	MO	11K2F3E	20 W (ERP)	
467.5 MHz	MO	11K2F3E	20 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.5125 MHz	MO	11K2F3E	20 W (ERP)	
467.525 MHz	MO	11K2F3E	20 W (ERP)	
468.2 MHz	MO	11K2F3E	20 W (ERP)	
476.5-481.5 MHz	MO	190KF3E	2 W (ERP)	
494.5-499.5 MHz	MO	190KF3E	2 W (ERP)	
512.5-517.5 MHz	MO	190KF3E	2 W (ERP)	
620.5-625.5 MHz	MO	190KF3E	2 W (ERP)	
626.5-631.5 MHz	MO	190KF3E	2 W (ERP)	
644.5-649.5 MHz	MO	190KF3E	2 W (ERP)	
692.5-697.5 MHz	MO	190KF3E	2 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2155-2180 MHz	MO	8M00D7W	100 mW (ERP)	
2170 MHz	MO	8M00D7W	1 W (ERP)	
2178 MHz	MO	8M00D7W	1 W (ERP)	
2186 MHz	MO	8M00D7W	1 W (ERP)	
2194 MHz	MO	8M00D7W	1 W (ERP)	
2394 MHz	MO	8M00D7W	1 W (ERP)	
2504-2646 MHz	MO	8M00D7W	1 W (ERP)	
3550-3700 MHz	MO	8M00D7W	100 mW (ERP)	
6430 MHz	MO	8M00D7W	1 W (ERP)	
6438 MHz	MO	8M00D7W	1 W (ERP)	

## Frequency Information

MOBILE: Wells Fargo Center Philadelphia, PA, within 16 km, centered around NL 39-54-05; WL 75-10-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6446 MHz	MO	8M00D7W	1 W (ERP)	
6455 MHz	MO	8M00D7W	1 W (ERP)	
6463 MHz	MO	8M00D7W	1 W (ERP)	
6471 MHz	MO	8M00D7W	1 W (ERP)	
6480 MHz	MO	8M00D7W	1 W (ERP)	
6488 MHz	MO	8M00D7W	1 W (ERP)	
6496 MHz	MO	8M00D7W	1 W (ERP)	
6505 MHz	MO	8M00D7W	1 W (ERP)	
6513 MHz	MO	8M00D7W	1 W (ERP)	
6521 MHz	MO	8M00D7W	1 W (ERP)	

**Special Conditions:**

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Licensee must get consent from the Advanced Wireless Service licensees.
- (4) Licensee must get consent from the Education Broadband Services/ Broadband Radio Services licensees prior to utilizing 2504-2646 MHz.
- (5) The applicant must prior coordination with the local Society of Broadcast Engineer frequency coordinator and the Fixed Microwave Service licensees to protect the BAS operations and the microwave users.
- (6) Ensure that the operations will not cause harmful interference to any existing registered stations in 3650-3700 MHz, and notify the registered users in the proposed area prior to operation in 3650-3700 MHz band.
- (7) Maintain separation from the grandfathered earth stations as defined in Part 90, subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3650-3700 MHz band
- (8) Operation is NOT PERMITTED using the frequency band 1350-1390 MHz.