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Via Electronic Filing

April 15, 2016

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: **Notice of Ex Parte Communication: In the Matter of Use of Spectrum Bands Above 24 GHz For Mobile Radio Services Notice of Proposed Rulemaking; GN Docket No. 14-177**

Dear Ms. Dortch:

On April 5th, 2016, AT&T and EchoStar representatives met with members of the Wireless Telecommunications Bureau, the International Bureau and the Office of Engineering and Technology to discuss the above-referenced proceeding¹.

During that meeting, a request was made to AT&T and EchoStar to provide population counts within the "urban cores" that were proposed in the Framework for Mobile and Satellite Sharing. In response to that request, attached is an analysis of the population counts within the individual radials as described in Exhibit II of the Framework.

Pursuant to the Commission's rules, this notice is being filed in the above-referenced docket for inclusion in the public record. Please contact me should you have any questions.

Respectfully submitted,

Stacey Black
Assistant Vice President
Federal Regulatory
AT&T Services, Inc.

Attachment

¹ See Notice of Ex Parte communication of AT&T and EchoStar Satellite Operating Corporation, dated April 6, 2016

UrbanCore Population as Proposed in ATT-EchoStar Framework for Mobile and Satellite Coordination

| <u>City</u> | <u>Longitude</u> | <u>Latitude</u> | <u>Radius</u> | <u>mi</u> | <u>population</u> |
|-------------------|------------------|-----------------|---------------|-----------|-------------------|
| Milwaukee | -87.9646 | 43.05331 | 5 | | 549513 |
| Los Angeles, CA | -117.886 | 33.74954 | 10 | | 2120985 |
| Baltimore, MD | -76.6189 | 39.2895 | 7 | | 855606 |
| Oklahoma City | -97.5282 | 35.46238 | 5 | | 231372 |
| Los Angeles, CA | -117.771 | 33.67137 | 10 | | 1277270 |
| Washington, DC | -77.0362 | 38.90163 | 10 | | 2059648 |
| Charlotte | -80.8162 | 35.20615 | 7 | | 441600 |
| Philadelphia | -75.139 | 40.00419 | 7 | | 1589790 |
| Chicago, IL | -87.6852 | 41.91277 | 10 | | 2707562 |
| Boston | -71.068 | 42.33205 | 7 | | 1323735 |
| Raleigh | -78.6422 | 35.82606 | 7 | | 390592 |
| San Francisco, CA | -122.378 | 37.78215 | 10 | | 1572820 |
| Dallas | -96.7871 | 32.81516 | 7 | | 630680 |
| Louisville | -85.6922 | 38.19983 | 7 | | 476782 |
| San Francisco, CA | -122.24 | 37.63602 | 10 | | 822791 |
| Fort Worth | -97.3433 | 32.74955 | 7 | | 452898 |
| Tucson | -110.939 | 32.24249 | 7 | | 453123 |
| San Francisco, CA | -122.088 | 37.47337 | 10 | | 978909 |
| Nashville | -86.7805 | 36.13374 | 5 | | 213650 |
| Miami | -80.3003 | 25.76239 | 7 | | 936766 |
| San Francisco, CA | -121.926 | 37.32497 | 10 | | 1602260 |
| Virginia Beach | -76.0976 | 36.825 | 7 | | 436181 |
| Houston | -95.4431 | 29.77929 | 10 | | 1533922 |
| Mesa | -111.757 | 33.41274 | 7 | | 535696 |
| Fresno | -119.788 | 36.77704 | 5 | | 400260 |
| Atlanta | -84.3888 | 33.79398 | 5 | | 350840 |
| Seattle | -122.327 | 47.60569 | 7 | | 653333 |
| Austin | -97.7631 | 30.30681 | 7 | | 489584 |
| Detroit | -83.1101 | 42.3873 | 7 | | 707718 |
| New Orleans | -90.0656 | 29.97171 | 7 | | 550438 |
| Minneapolis | -93.3073 | 44.99572 | 5 | | 430501 |
| Cleveland | -81.6491 | 41.46988 | 5 | | 325134 |
| Columbus | -82.988 | 39.99866 | 5 | | 344139 |
| San Diego | -117.129 | 32.79479 | 7 | | 771346 |
| Phoenix | -112.088 | 33.51522 | 7 | | 742343 |
| Sacramento | -121.437 | 38.56247 | 7 | | 661076 |
| Portland | -122.652 | 45.50392 | 5 | | 446053 |
| Las Vegas | -115.183 | 36.15023 | 7 | | 848639 |
| Jacksonville | -81.6355 | 30.29004 | 7 | | 354611 |
| Denver | -104.974 | 39.75463 | 7 | | 801955 |
| San Antonio | -98.5322 | 29.4795 | 7 | | 646266 |
| Kansas City | -94.5542 | 39.09859 | 7 | | 353768 |
| Indianapolis | -86.1375 | 39.79521 | 7 | | 453140 |
| New York, NY | -73.868 | 40.85666 | 10 | | 4978553 |
| New York, NY | -73.8625 | 40.7035 | 10 | | 7369765 |
| New York, NY | -74.0161 | 40.65424 | 10 | | 5604199 |

UrbanCore Population as Proposed in ATT-EchoStar Framework for Mobile and Satellite Coordination

| | | | | |
|-----------------|----------|----------|----|----------|
| Los Angeles, CA | -118.489 | 34.13885 | 10 | 1967799 |
| Los Angeles, CA | -118.307 | 33.97743 | 10 | 3572875 |
| Los Angeles, CA | -118.208 | 34.11036 | 10 | 2863074 |
| Los Angeles, CA | -118.185 | 33.835 | 10 | 2367237 |
| all combined | -73.868 | 40.85666 | 10 | 50994699 |

Data source: Claritas 2015 estimated pops from census block centroids from 2010 census base. (Standard GIS layer)

Processing: Point in polygon. No area proportion needed.