

## **Supplemental Engineering Exhibit**

This technical statement supports this amendment application to modify BDISDTL-20130731AOF, a displacement application on channel 20 in Teaneck, NJ for W19EH-D, Facility ID 74502, licensed to the Applicant Local Media TV New York, LLC.

This Amendment is submitted to modify the effective radiated power, the antenna type, manufacturer, model, polarization and orientation. Attachment A demonstrates that the proposed facility on channel 20 is within 30 miles of the existing licensed facility of W19EH-D. The proposed facility on channel 20 was studied using the Techware's tv\_process\_2010 software on a Sun Blade 1500 using the post transition data and the 2000 US Census.

### **Proposed Facility Protects Channel 20 in Philadelphia**

As illustrated in Attachment B, the proposed facility of W19EH-D on channel 20 at Teaneck, NJ, protects the use of channel 20 as a land mobile channel in and around Philadelphia, PA. The F(50,10) 52 dBu contour of the proposed facility of W19EH-D on channel 20 is within 145 km of the corresponding coordinates from channel 20 in Waterbury, CT, as listed in Section 74.709(b)(1), and is therefore within the channel 20 land mobile protection exclusionary area.

### **Proposed Facility Protects Channel 19 in Philadelphia**

As illustrated in Attachment C and Attachment D (a blow up of Attachment C), the proposed facility of W19EH-D on channel 20 at Teaneck, NJ, protects the use of channel 19 as a land mobile channel in and around Philadelphia, PA. However, the channel preclusion at Waterbury, CT is not applicable for interference to channel 19 land mobile at Philadelphia.

Section 74.709(d)(3) of the Commission Rules and Regulations requires that an LPTV station on an adjacent channel to a land mobile assignment have a contour with a field strength of no more than F(50,10) 76 dBu at the protected contour of the adjacent channel land mobile assignment.

Pursuant to Section 74.709(a), the channel 19 land mobile assignment for Philadelphia, PA, is to be protected within 130 km of its reference point. The F(50,10) 76 dBu contour on channel 20 does not overlap with the channel 19 land mobile protected contour of 130 km from its radius.

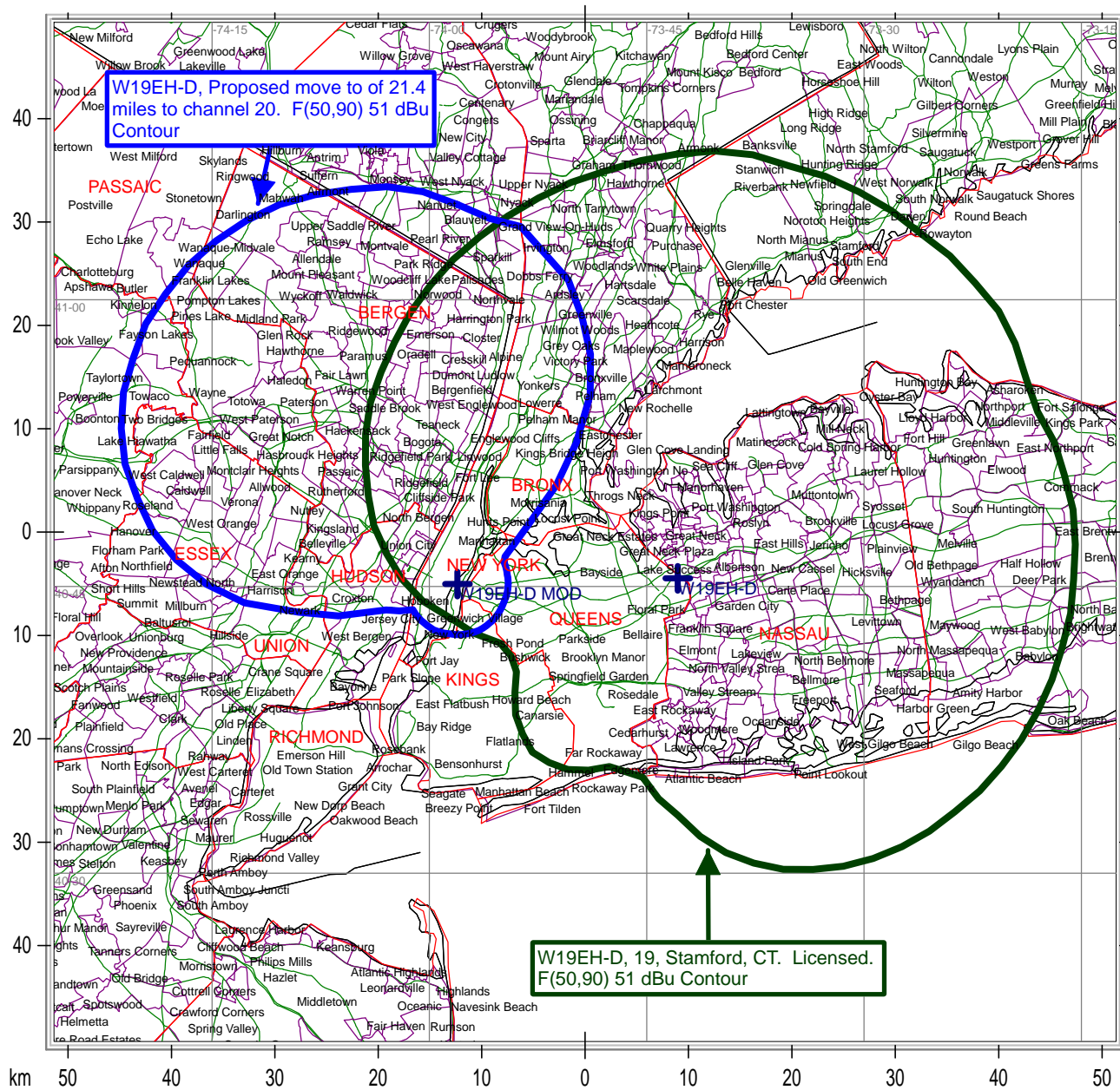
### **Digital TV Station Protection**

The proposed operation causes less than 0.5% interference to surrounding digital authorized facilities (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards.

### **Class A, Low Power TV and TV Translator Station Protection**

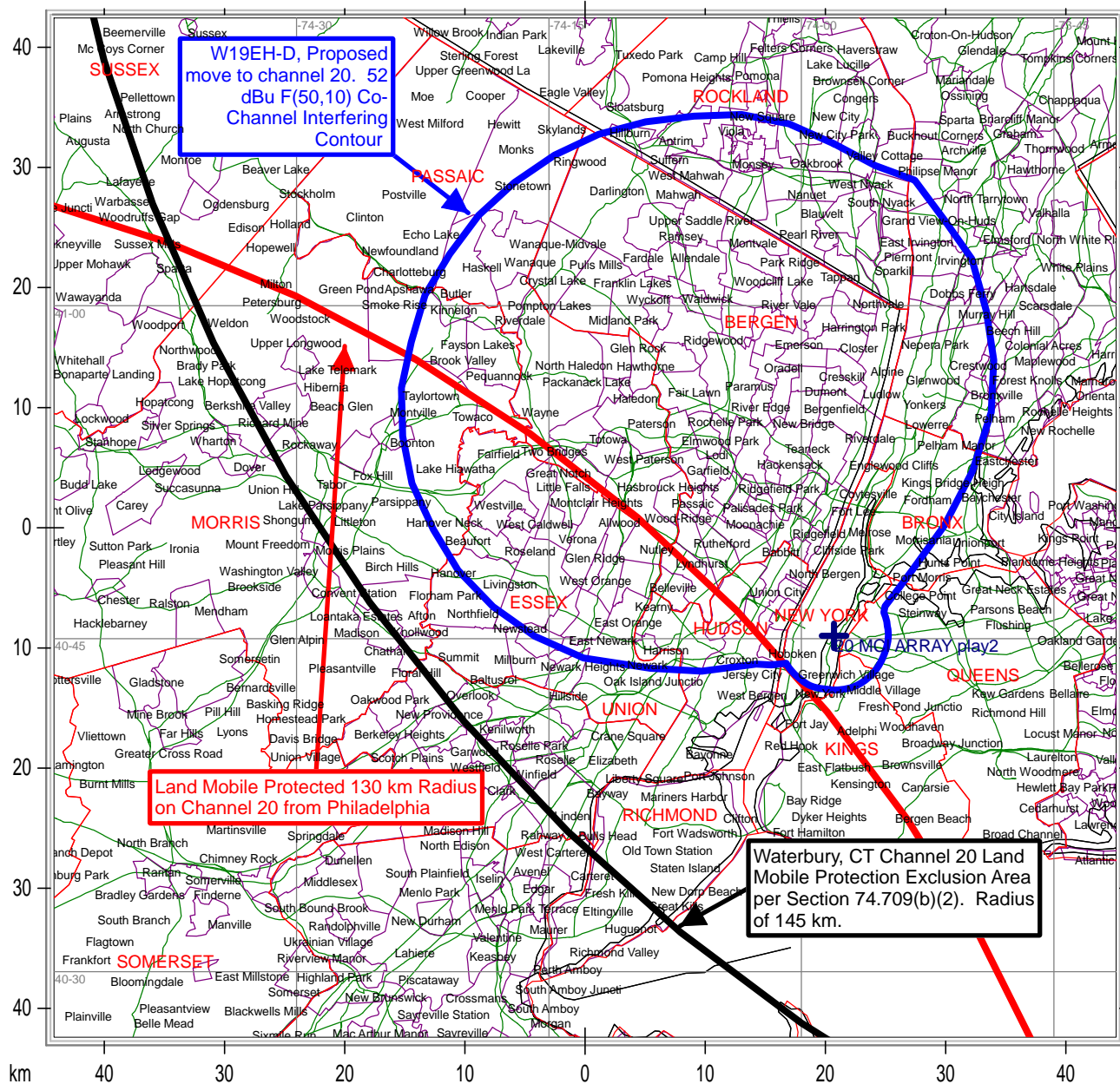
The proposed operation causes less than 0.5% interference to surrounding low power and class A authorized facilities (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards.

## NJ TEANECK 20. PROPOSED DISPLACEMENT OF W19EH-D TO CHANNEL 20



This displacement proposes to move 21.4 miles.

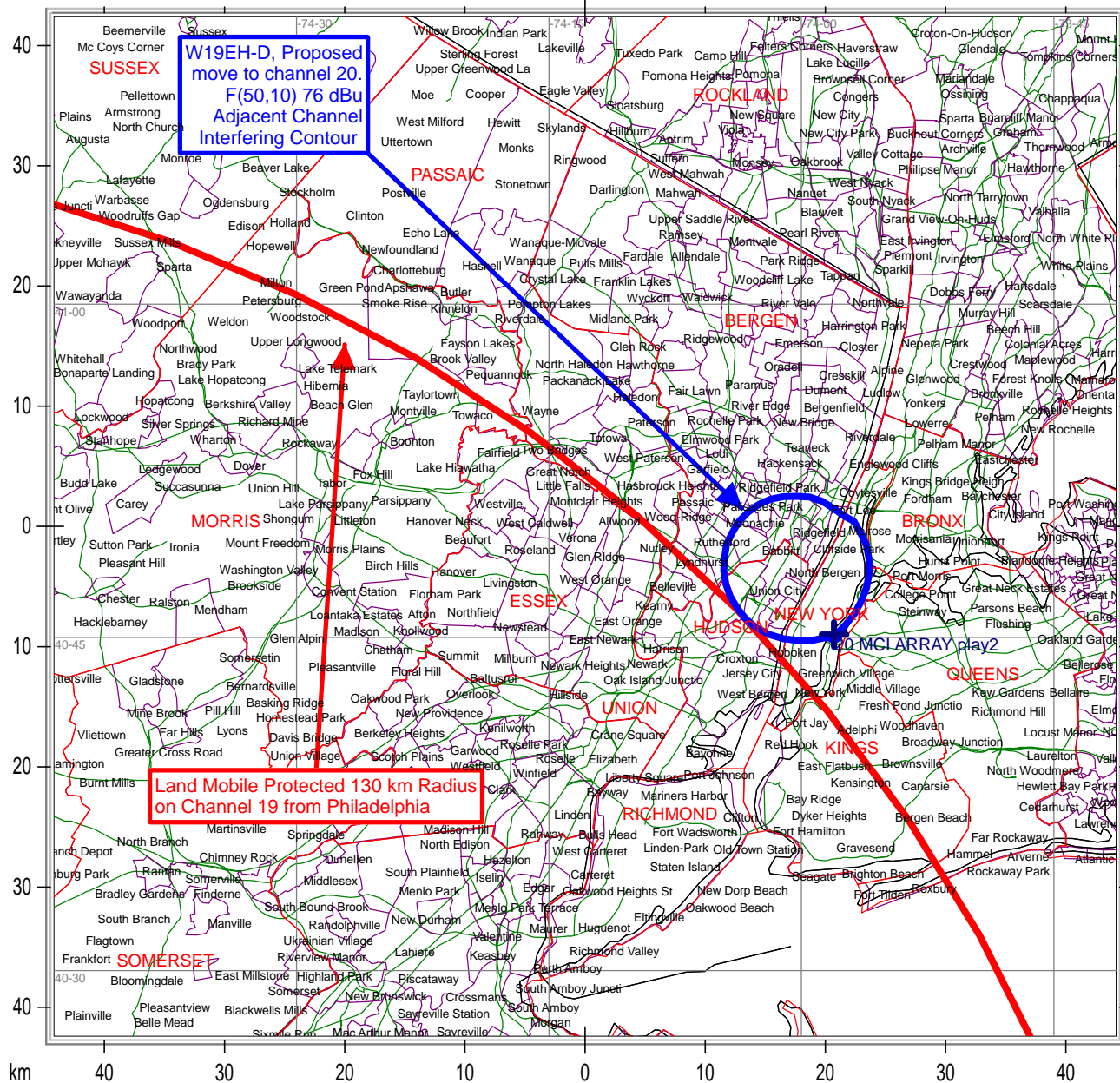
## NJ TEANECK 20. PROPOSED DISPLACEMENT OF W19EH-D VERSUS LAND MOBILE 20 IN PHILADELPHIA



Proposal protects LM 20 in Philadelphia per Section 74.709(b)-(d) exclusion of 20 at Waterbury, CT

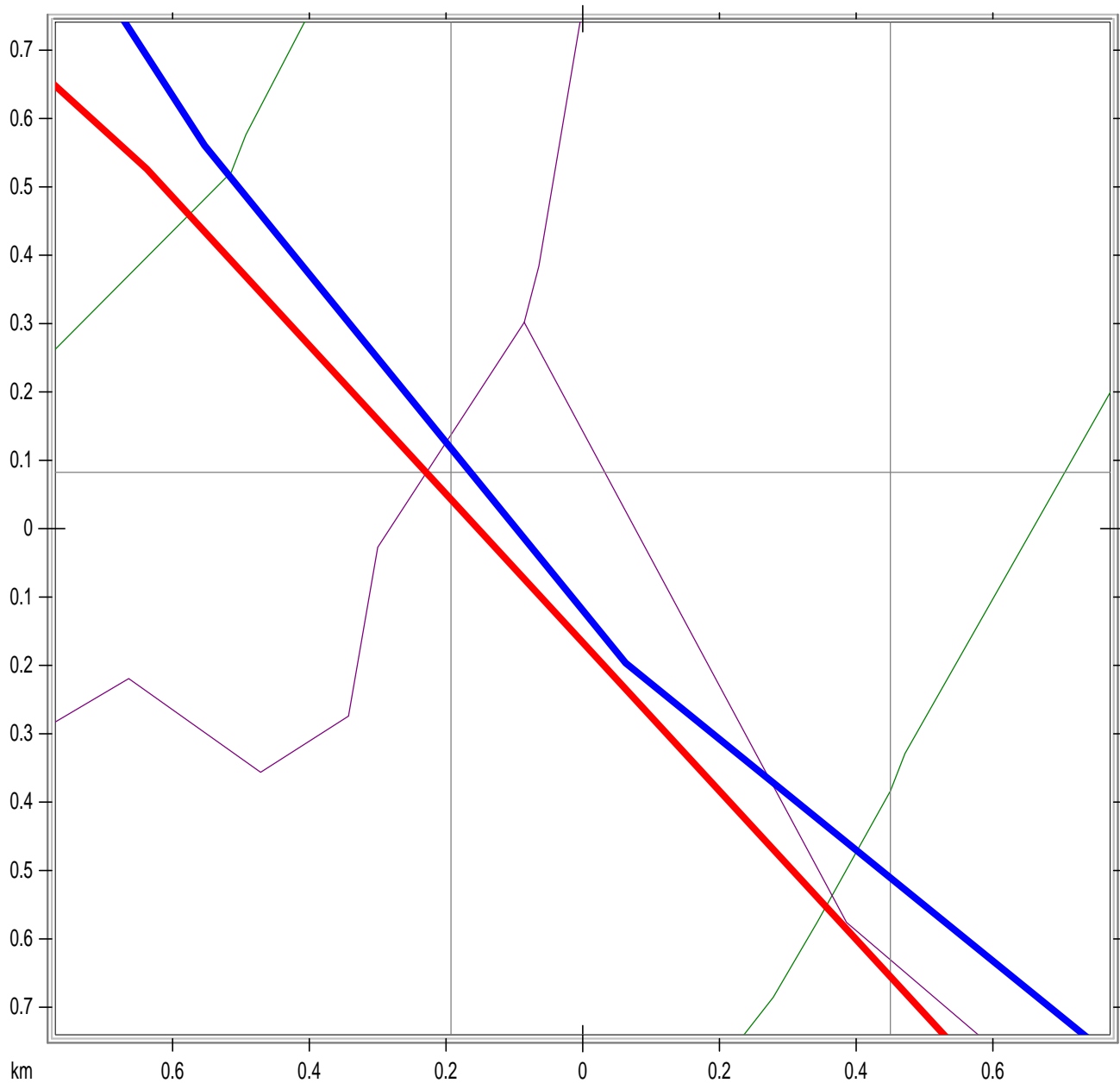
— National Borders 
 — County Borders 
 — State Borders 
 — City Borders 
 — Highways 
 — Lat/Lon Grid

## NJ TEANECK 20. PROPOSED DISPLACEMENT OF W19EH-D VERSUS LAND MOBILE 19 IN PHILADELPHIA



The 76 dBu interfering contour does not overlap with the 130 km contour of Philly Land Mobile 19.

## NJ TEANECK 20. BLOW UP OF PROPOSED DISPLACEMENT OF W19EH-D VERSUS LAND MOBILE 19 IN PHILADELPHIA



The 76 dBu interfering contour does not overlap with the 130 km contour of Philly Land Mobile 19.