

2355 Ranch Drive
Westminster, CO 80234
Phone (303) 465-5742 Fax (303) 465-4067
e-mail: STCL@comcast.net

B. W. St. Clair

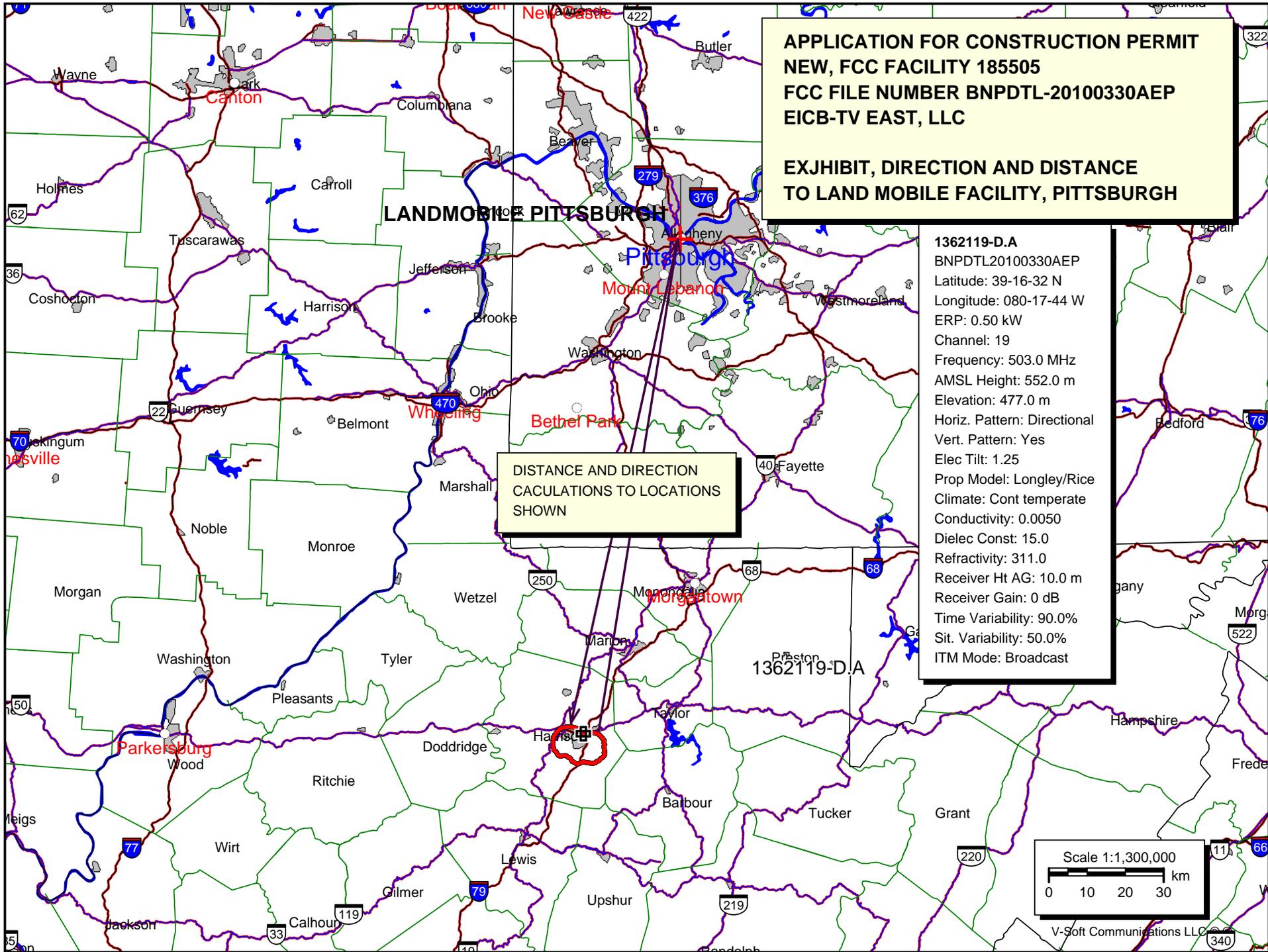
**DISTANCE TO LAND MOBILE FACILITY
TECHNICAL EXHIBIT
APPLICATION FOR LPTV CONSTRUCTION PERMIT**

**APPLICATION FOR CONSTRUCTION PERMIT
NEW, FCC FACILITY ID 185505
FCC FILE NUMBER BNPDTL-20100330AEP
EICB-TV EAST, LLC**

Direction and Distance between proposed channel 19 facility's 76 dBu F50,10, 76 dBu contour and location of Channel 18 Land Mobile facility for Pittsburgh, PA as specified in §74.709. Proposed facility contours are as shown on attached map; calculations on the pages following were prepared to the points on the 76 dBu F50,10 contour that are nearest the Land Mobile facility. Calculations were performed by the FCC direction and distance function at <http://www.fcc.gov/mb/audio/bickel/distance.html>.

Note that no part of the 76 dBu F50,10 contour approaches the Land Mobile location closer than shown attached.

J. R. McDonald
January 10, 2011

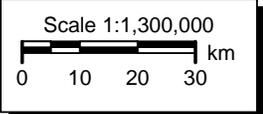


**APPLICATION FOR CONSTRUCTION PERMIT
 NEW, FCC FACILITY 185505
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 EICB-TV EAST, LLC**

**EXJHIBIT, DIRECTION AND DISTANCE
 TO LAND MOBILE FACILITY, PITTSBURGH**

1362119-D.A
 BNPDTL20100330AEP
 Latitude: 39-16-32 N
 Longitude: 080-17-44 W
 ERP: 0.50 kW
 Channel: 19
 Frequency: 503.0 MHz
 AMSL Height: 552.0 m
 Elevation: 477.0 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 1.25
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 311.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

**DISTANCE AND DIRECTION
 CACULATIONS TO LOCATIONS
 SHOWN**



V-Soft Communications LLC



Audio Division

(202)-418-2700

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Find Distance and Azimuths Between 2 Sets of Coordinates -- Results

Distance between

N Latitude 40 26 19.00, W Longitude 80 0 0.00 (Point 1)

and N Latitude 39 17 27.10, W Longitude 80 19 27.00 (Point 2)

130.419 kilometers; 81.039 miles

Azimuth from point 1 to point 2 = 192.34°

Azimuth from point 2 to point 1 = 12.13°

[Another Distance Computation?](#)

Use [Sprong](#) to find the terminal or end coordinates, given a bearing and a distance.

This program is located at <http://www.fcc.gov/fcc-bin/audio/distance.html>

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TTY: 1-888-TELL-FCC (1-888-835-5322)
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Find Distance and Azimuths Between 2 Sets of Coordinates -- Results

Distance between

N Latitude 40 26 19.00, W Longitude 80 0 0.00 (Point 1)

and N Latitude 39 16 42.40, W Longitude 80 15 57.10 (Point 2)

130.807 kilometers; 81.280 miles

Azimuth from point 1 to point 2 = 190.06°

Azimuth from point 2 to point 1 = 9.89°

[Another Distance Computation?](#)

Use [Sprong](#) to find the terminal or end coordinates, given a bearing and a distance.

This program is located at <http://www.fcc.gov/fcc-bin/audio/distance.html>

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