

TABLE I  
COMPUTED COVERAGE DATA  
FOR THE PROPOSED DTV OPERATION OF  
WMED-TV, CHANNEL 10, CALAIS, MAINE  
JULY 2002

<u>Radial</u> <u>Bearing</u> N ° E, T	<u>Average*</u> <u>Elevation</u> <u>3.2 to 16.1 km</u>	<u>Effective</u> <u>Height</u> <u>meters</u>	<u>Depression</u> <u>Angle</u>	<u>ERP at</u> <u>Radio</u> <u>Horizon</u> kW	<u>Distance to Contour F(50,90)</u>	
	<u>meters</u>				<u>43 dBu</u> <u>Community</u> km	<u>36 dBu</u> <u>Noise-Limited</u> km
0	58.7	143.0	0.331	3.5	60.6	73.0
45	70.4	131.3	0.317	3.5	59.0	71.1
90	53.4	148.3	0.337	3.5	61.2	73.8
135	52.0	149.7	0.339	3.5	61.4	74.0
180	64.9	136.8	0.324	3.5	59.8	72.0
225	73.7	128.0	0.313	3.5	58.6	70.5
270	99.2	102.5	0.280	3.5	55.0	66.1
315	66.6	135.1	0.322	3.5	59.5	71.7
Average	67.4	134.3				

\*Based on data from FCC 3-second data base

DTV Channel 10 (192-198 MHz)  
Average Elevation 3.2 to 16.1 km 67.4 meters AMSL  
Center of Radiation 200.6 meters AMSL  
Antenna Height Above Average Terrain 133 meters  
Effective Radiated Power 3.5 kW (5.44 dBk) Max.

North Latitude: 45° 01' 45"  
West Longitude: 67° 19' 25"

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