

## EXHIBIT 16 Contour overlap study

Below is a table showing the normally protected interference-free and interference contours (in kilometers), the antenna center of radiation above average terrain and ERP along all azimuths for the proposed new station in Cape Vincent, NY.

	Antenna	ERP	(protected)		interference	
Azimuth	HAAT m.	(kw)	60 dbu f(50,50)	40 dbu	f(50,10) 54 dbu	100 dbu
0	90	0.45	14.3	49	21.0	2
10	87	0.5	14.5	50	21.1	2
20	83	0.8	15.9	55	23.2	2
30	77	1.26	17.1	59	25.0	2
40	76	2.0	19.1	66	28.2	2
50	68	3.2	20.4	71	30.2	2
60	71	4.0	22.0	75	33.0	2
70	78	4.0	23.0	77	34.6	2
80	78	4.0	23.0	77	34.6	2
90	83	4.0	23.7	78	35.8	2
100	89	4.0	24.5	79	37.1	2
110	91	4.0	24.8	79	37.6	2
120	94	4.0	25.2	80	38.2	2
130	93	4.0	25.2	80	38.2	2
140	94	4.0	25.2	80	38.2	2
150	96	4.0	25.4	80	38.6	2
160	97	4.0	25.5	80	38.8	2
170	97	4.0	25.5	80	38.6	2
180	98	4.0	25.7	81	39.0	2
190	101	4.0	26.0	81	39.6	2
200	101	4.0	26.0	81	39.6	2
210	100	4.0	26.0	81	39.6	2
220	100	4.0	26.0	81	39.6	2
230	101	4.0	26.0	81	39.6	2
240	100	4.0	26.0	81	39.6	2
250	98	4.0	25.7	81	39.0	2
260	98	4.0	25.7	81	39.0	2
270	97	4.0	25.7	81	39.0	2
280	96	4.0	25.4	80	38.6	2
290	92	4.0	25.0	80	37.8	2
300	90	4.0	24.7	79	37.3	2
310	87	4.0	24.3	79	37.3	2
320	91	2.8	22.7	74	34.1	2
330	94	1.8	20.7	68	30.8	2
340	93	1.1	18.2	61	26.8	2
350	92	0.7	16.2	55	23.7	2
005	88	0.45	14.2	49	20.7	2

**EXHIBIT 16 (continued)**

The following table contains information about the stations near the proposed station which potentially requiring investigation to show non-overlap of protected/interfering contours.

Station	WFRW	WAER
FM channel	201	202
Location	Webster, NY	Syracuse, NY
Latitude	43-04-18 N	43-02-1 N
Longitude	77-05-35 W	76-07-53 W
ERP	11 kW	50 kW
HAAT	103 m	84 m
File#	BLED-19880721KC	BLED-199502023KA
Distance to protected contour	29.4 km	52.9 km
Distance to proposal	131 km	117 km
<b>For interference to investigated facilities:</b>		
HAAT and bearing to proposal's interference contour	100 m 211°	98 m 175°
Distance to proposal's interference contour	81 km (40 dbu)	39 km (54 dbu)
Clearance between protected and interference contours	20.6 km	30.1 km
<b>For reception of interference:</b>		
Distance to proposal's protected contour:	26.0 km	25.6 km
Distance to interference contour:	88.5 km (40 dbu)	65.8 km (54 dbu)
Clearance between protected and interference contours:	16.5 km	25.6 km

As there is no contour overlap, the proposed facility would be in compliance with 47 CFR 73.509.

### **EXHIBIT 16 (continued)**

The interference and protected contour distances for the proposal as well as those for the two stations investigated are plotted on the following map.

