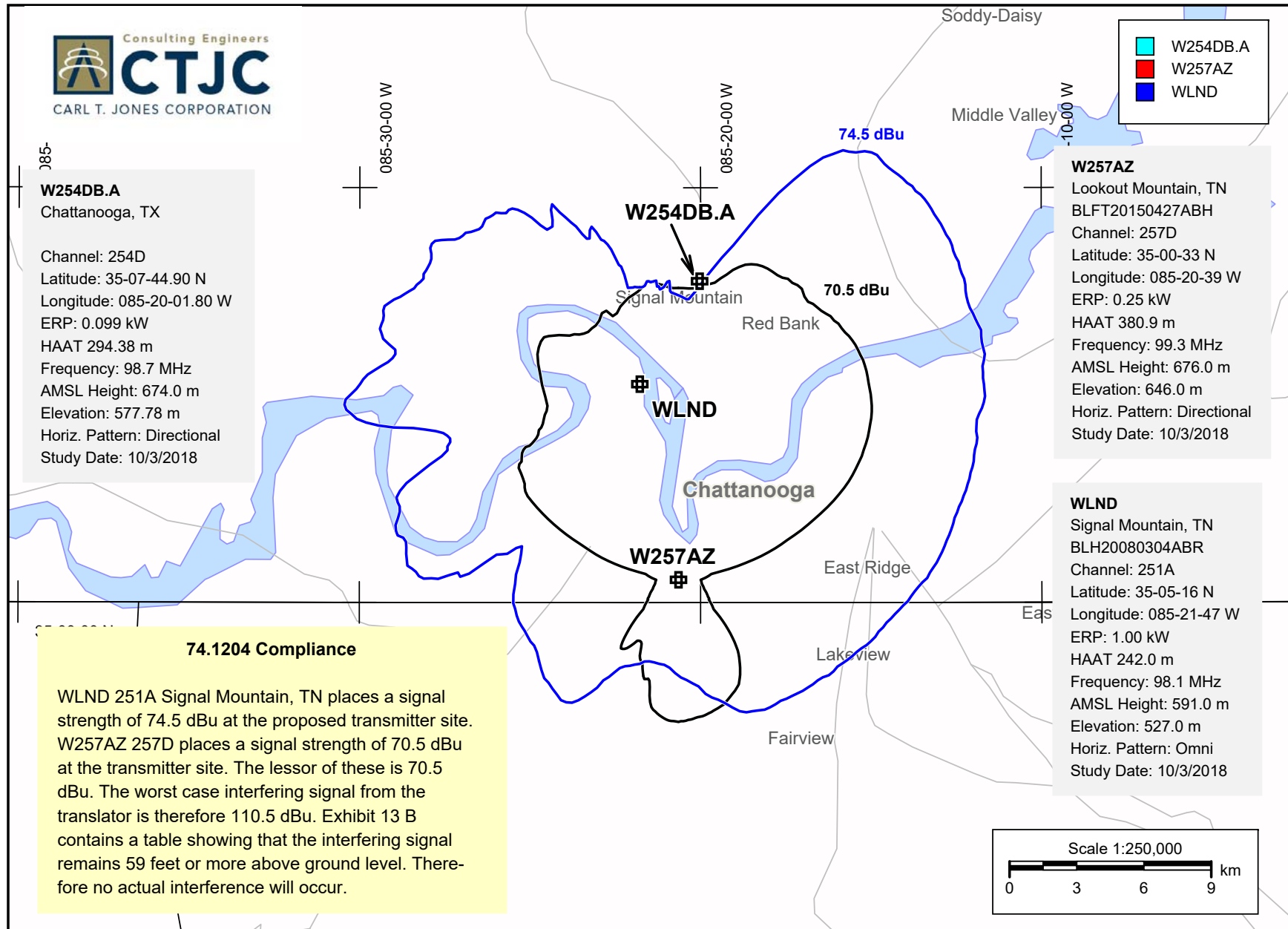


## Exhibit 13 A - W254DB 245D Chattanooga TN - 74.1204 Compliance



**W254DB**  
**Chattanooga, TN**

**Exhibit 13 B**

**ERP 99.00 WATTS**

**Maximum ERP** *Interfering contour value ----->* **110** dBu  
0.099 kW *RCAGL (m)----->* **100** meters  
*Antenna Type ----->* **1**

Antenna Type 1 = **Scala CA5 FM CP**

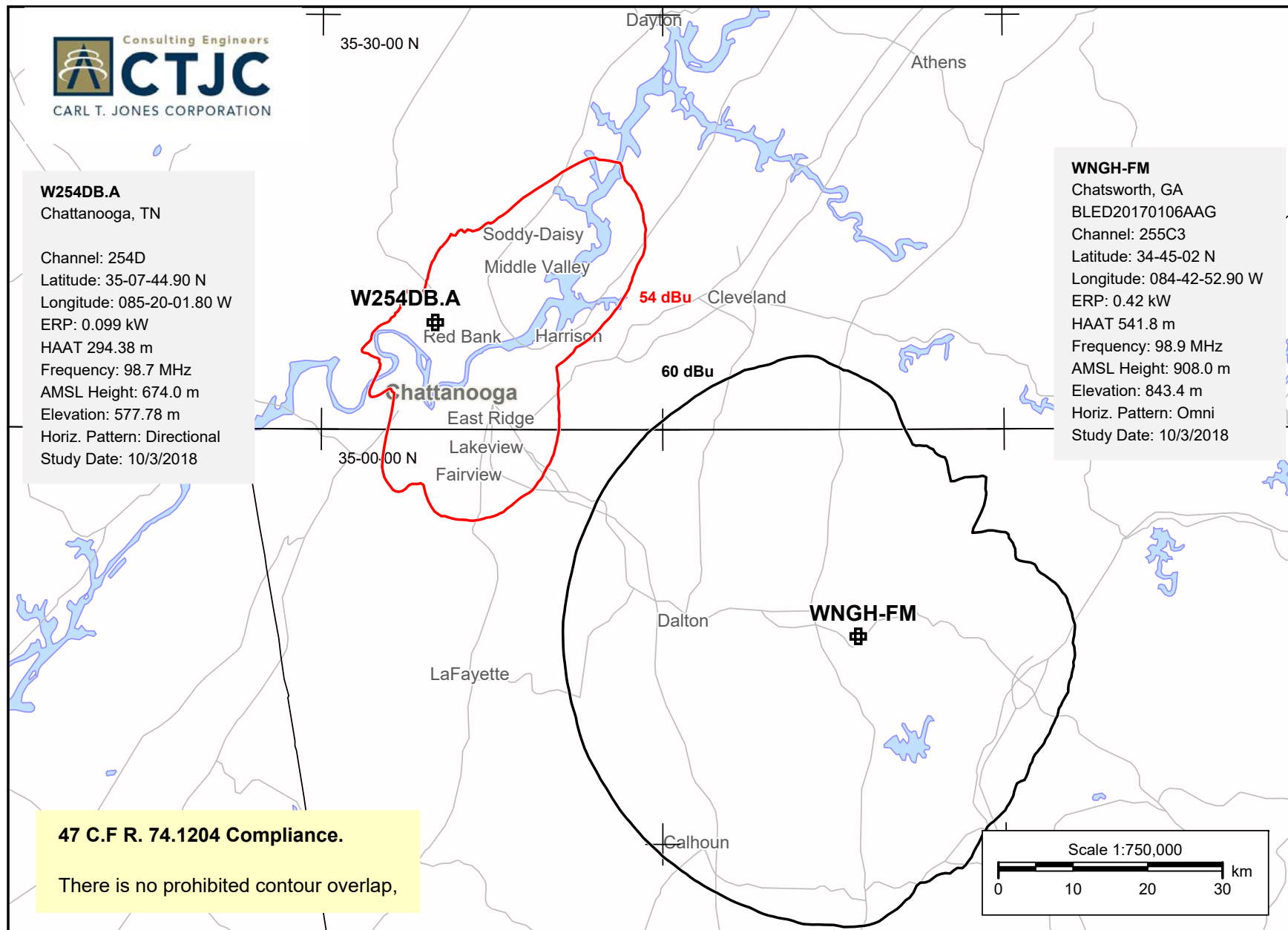
Angle Below Horizontal (degrees)	Vertical Pattern (REL. FIELD)	W254DB ERP (kW)	W254DB ERP (dBk)	W254DB Free-Space Distance to interfering contour (meters)	Slant Distance (meters) *	Height of interfering contour above ground (feet)**	Proposed Interference within 30 ' of ground level?	Horizontal Distance (meters) ***	Horizontal Distance (feet) ***
0	1.000	0.0990	-10.044	220.2	N/A	328.1			722.4
5	0.960	0.0912	-10.398	211.4	1,043.0	267.6	No	210.6	690.9
10	0.950	0.0893	-10.489	209.2	523.5	208.9	No	206.0	675.9
15	0.950	0.0893	-10.489	209.2	351.2	150.5	No	202.1	662.9
20	0.870	0.0749	-11.253	191.6	265.8	113.1	No	180.0	590.6
25	0.830	0.0682	-11.662	182.8	215.1	74.7	No	165.6	543.4
30	0.700	0.0485	-13.142	154.1	181.8	75.2	No	133.5	438.0
35	0.650	0.0418	-13.785	143.1	158.5	58.7	No	117.2	384.7
40	0.520	0.0268	-15.724	114.5	141.4	86.6	No	87.7	287.8
45	0.450	0.0200	-16.979	99.1	128.6	98.2	No	70.1	229.9
50	0.330	0.0108	-19.673	72.7	118.7	145.5	No	46.7	153.2
55	0.250	0.0062	-22.085	55.1	111.0	180.1	No	31.6	103.6
60	0.200	0.0040	-24.023	44.0	105.0	203.0	No	22.0	72.2
65	0.150	0.0022	-26.522	33.0	100.3	229.9	No	14.0	45.8
70	0.150	0.0022	-26.522	33.0	96.7	226.3	No	11.3	37.1
75	0.150	0.0022	-26.522	33.0	94.1	223.4	No	8.5	28.0
80	0.160	0.0025	-25.961	35.2	92.3	214.2	No	6.1	20.1
85	0.170	0.0029	-25.435	37.4	91.2	205.7	No	3.3	10.7
90	0.170	0.0029	-25.435	37.4	90.9	205.3	No	0.0	0.0

\* Slant distance from antenna center of radiation to location 30 feet (9.1 meters) above ground level at angle below horizontal.

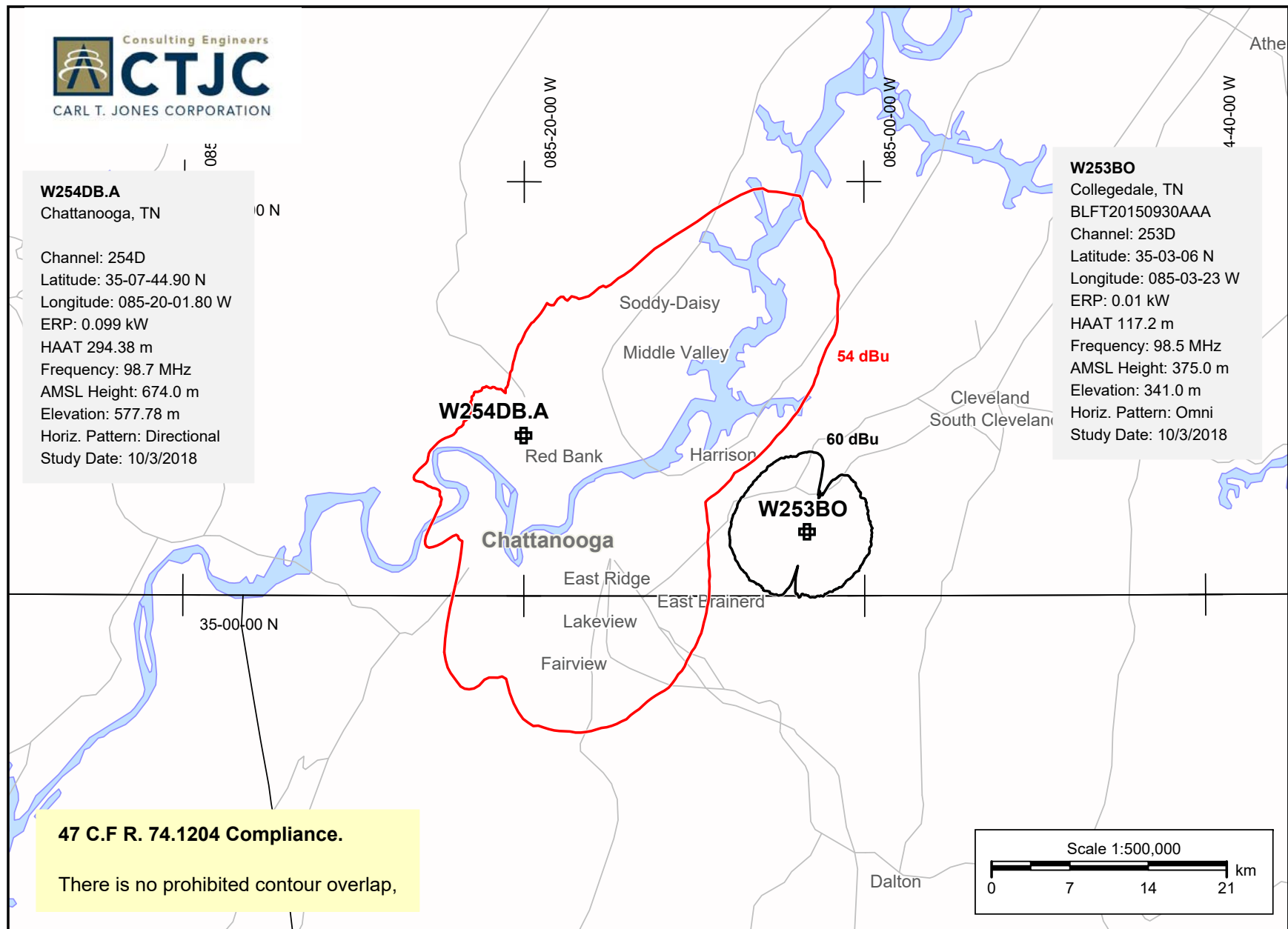
\*\* A negative number indicates that the interfering contour is predicted to reach ground level. If a negative number is present, the interfering contour reaches ground level at the "Horizontal Distance" described below.

\*\*\* Horizontal distance from tower base to interfering contour at the indicated height above ground level. If a negative height above ground level is indicated, this horizontal distance is the distance from the tower base to the interfering contour. This horizontal distance is only relevant if the proposed interference is predicted to occur within 30 feet of ground level.

## Exhibit 13 C W254DB Chattanooga TN - 47 CFR 74.1204 Compliance



## Exhibit 13 D W254DB Chattanooga TN - 47 CFR 74.1204 Compliance



## Exhibit 13 E W254DB Chattanooga TN - 47 CFR 74.1204 Compliance

