

Doug Vernier, Telecommunications Consultants
 N. Lat. = 40 23 05 W. Lng. = 99 27 30
 HAAT and Distance to Contour - FCC Method - USGS 03 SEC

Nebraska Educational Telecommunications Commission

Azi.	AV EL	HAAT	ERP kW	dBk	Field	DAng	VFld	D-kW	%Max	D-dBk	41-F9	48-F9
000	724.7	317.7	339.8640	25.31	0.952	0.494	0.983	328.2561	98.3	25.31	89.38	77.57
010	720.1	322.3	313.9594	24.97	0.915	0.497	0.983	303.6676	98.3	24.97	89.26	77.52
020	716.8	325.6	282.5340	24.51	0.868	0.500	0.984	273.5478	98.4	24.51	88.77	77.17
030	713.5	328.9	247.8634	23.94	0.813	0.502	0.984	240.0697	98.4	23.94	88.09	76.65
040	711.7	330.7	212.6284	23.28	0.753	0.504	0.984	205.9796	98.4	23.28	87.08	75.84
050	710.9	331.5	179.0554	22.53	0.691	0.504	0.984	173.4690	98.4	22.53	85.83	74.82
060	709.1	333.3	149.7840	21.75	0.632	0.506	0.984	145.1365	98.4	21.75	84.69	73.87
070	708.8	333.6	127.4584	21.05	0.583	0.506	0.984	123.5075	98.4	21.05	83.54	72.90
080	709.1	333.3	113.4375	20.55	0.550	0.506	0.984	109.9183	98.4	20.55	82.67	72.17
090	706.8	335.6	107.7360	20.32	0.536	0.507	0.984	104.4168	98.4	20.32	82.55	72.04
100	705.5	336.9	108.9454	20.37	0.539	0.508	0.985	105.6032	98.5	20.37	82.77	72.22
110	705.0	337.4	115.9260	20.64	0.556	0.509	0.985	112.3748	98.5	20.64	83.26	72.63
120	702.5	339.9	125.2815	20.98	0.578	0.511	0.985	121.4733	98.5	20.98	84.07	73.32
130	696.6	345.8	134.5504	21.29	0.599	0.515	0.985	130.5350	98.5	21.29	85.19	74.27
140	701.5	340.9	141.3735	21.50	0.614	0.511	0.985	137.0895	98.5	21.50	85.06	74.16
150	704.8	337.6	143.6854	21.57	0.619	0.509	0.985	139.2861	98.5	21.57	84.84	73.98
160	701.2	341.2	141.3735	21.50	0.614	0.512	0.985	137.0941	98.5	21.50	85.10	74.19
170	698.5	343.9	134.5504	21.29	0.599	0.514	0.985	130.5106	98.5	21.29	85.00	74.10
180	701.8	340.6	125.2815	20.98	0.578	0.511	0.985	121.4817	98.5	20.98	84.15	73.38
190	693.9	348.5	115.9260	20.64	0.556	0.517	0.985	112.4956	98.5	20.64	84.37	73.54
200	691.2	351.2	108.9454	20.37	0.539	0.519	0.985	105.7491	98.5	20.37	84.19	73.37
210	694.2	348.2	107.7360	20.32	0.536	0.517	0.985	104.5449	98.5	20.32	83.82	73.05
220	693.5	348.9	113.4375	20.55	0.550	0.517	0.985	110.0854	98.5	20.55	84.26	73.44
230	695.7	346.7	127.4584	21.05	0.583	0.516	0.985	123.6659	98.5	21.05	84.89	74.00
240	697.7	344.7	149.7840	21.75	0.632	0.514	0.985	145.2982	98.5	21.75	85.87	74.86
250	702.1	340.3	179.0554	22.53	0.691	0.511	0.985	173.6186	98.5	22.53	86.76	75.62
260	708.0	334.4	212.6284	23.28	0.753	0.507	0.984	206.0543	98.4	23.28	87.47	76.18
270	713.5	328.9	247.8634	23.94	0.813	0.502	0.984	240.0694	98.4	23.94	88.08	76.65
280	722.0	320.4	282.5340	24.51	0.868	0.496	0.983	273.1069	98.3	24.51	88.17	76.66
290	726.2	316.2	313.9594	24.97	0.915	0.493	0.983	303.0969	98.3	24.97	88.56	76.92
300	731.1	311.3	339.8640	25.31	0.952	0.489	0.982	327.5978	98.2	25.31	88.63	76.94
310	735.6	306.8	359.4153	25.56	0.979	0.485	0.981	345.9571	98.1	25.56	88.56	76.86
320	739.9	302.5	371.2594	25.70	0.995	0.482	0.980	356.8718	98.0	25.70	88.30	76.65
330	737.3	305.1	375.0000	25.74	1.000	0.484	0.981	360.7582	98.1	25.74	88.70	76.96
340	732.1	310.3	371.2594	25.70	0.995	0.488	0.982	357.7529	98.2	25.70	89.25	77.41
350	726.8	315.6	359.4153	25.56	0.979	0.492	0.982	346.9162	98.2	25.56	89.61	77.73

 Additional Radials (Not Considered in Average):

City of License Radial:
 332 736.5 305.9 375.0000 25.74 1.000 0.484 0.981 360.8488 98.1 25.74 88.80 77.03

Ave El= 710.82 M HAAT= 331.58 M AMSL= 1042.4 M