

\*\* (Windmill farm on hilltop approx. 2.75 km. from WCDL antenna; multiple windmills appear to attenuate WCDL signal only in the immediate vicinity of these structures.)

FIELD INTENSITY METER										CAL
POINT	DIST. KM	NON-DA MV/M	DATE 2005	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DIST. MI.	COMMENTS
33	4.75	6.5	4/05	9:08A						
34	6.44	3.0	"	5:35P					2.95	X pole 63538/51400
35	8.08	1.1	"	5:16P					4.00	#2876 PA 296
36	11.02	0.75	4/04	4:30P					5.02	M'bx Davlee Rd.
37	14.53	0.55	"	4:21P					6.85	#833 mailbox
38	16.00	0.61	"	4:12P					9.03	X trees near #174
39	17.33	0.63	"	4:04P					9.94	#111 (yellow hse.)
40	18.19	0.60	"	3:58P					10.77	H'dale Coll @side rd.
41	19.17	0.40	"	3:42P					11.30	#846 @mailbox
42	20.78	0.23	"	3:17P					11.91	Grove Rd. @30MPH sn.
43	22.37	0.17	"	9:15A					12.91	near railroad curve
43A	22.37	0.19	4/15	10:23A					13.90	East Side NH Tractors
44	24.69	0.22	4/04	2:43P					13.90	(Check Point)
45	25.36	0.24	"	2:38P					15.34	#23 Kanner @mailbox
46	26.46	0.26	"	2:31P					15.76	behind trees near silo
47	27.20	0.23	"	2:25P					16.44	pole 170696
48	32.59	0.11	"	1:22P					16.90	@ white & red house
49	36.44	0.095	"	2:32P					20.25	Rt. 4003 @ "10" sign
50	37.26	0.060	"	1:45P					22.64	Rt. 1014 @ curve & creek
									23.15	above river, below hill

MILLIVOLTS PER METER

Inverse field at one kilometer = 285 mv/m

GROUND WAVE FIELD STRENGTH  
VS DISTANCE

STATION WCDL  
 FREQUENCY 1440 kHz.  
 POWER 800 watts, NDA  
 DIRECTION 92°T

e = 5

Multiply mv/m scale by 10

1 mS/m

1 mS/m

1.25 mS/m

1 mS/m

