

WNAM – Neenah-Menasha, WI

Measurement Information

(applied to both Licensed and Construction Permit
Operations as both employ the same site location)

Measurements on Radial 60.0°T have been taken from WNAM(AM) Full License to Cover Application BL-19920612AA granted on 05/04/1993 and are a matter of public record before the Commission.

Measurements on Radial 45.0°T were taken by Mr. Brian E. Brachel, chief engineer for MacDonald Garber Broadcasting, Inc. (WMKT) using Potomac Instruments FIM-41 field meter #462. This meter has been compared to Potomac Instruments FIM-41 field meter #1263, last calibrated March 8, 2005 and found to be of good accuracy.

- Exhibit 15.5a – Summary of measured Conductivities for WNAM – Neenah-Menasha, WI**
- Exhibit 15.5b – Family of Curves for 2006 Measurements**
- Exhibit 15.5c – Tabulation & Graph of Measurement for WNAM – 45.0°T (present 2006)**
- Exhibit 15.5d – Tabulation & Graph of Measurement for WNAM – 60.0°T (proof 1992)**

Exhibit 15.5a

Summary of Measured Conductivities for WNAM – Neenah-Menasha, WI

<u>Azimuth (° True)</u>	<u>Measured Conductivity</u>	<u>Distance</u>
45.0°	8.0:	0.00 km to 60.0 km
	5.0:	60.0 km to 115 km
	3.0:	115 km to 151 km
60.0°	8.0:	0.00 km to 3.00 km
	5.0:	3.00 km to 13.0 km
	15.0:	13.0 km to 32.59 km

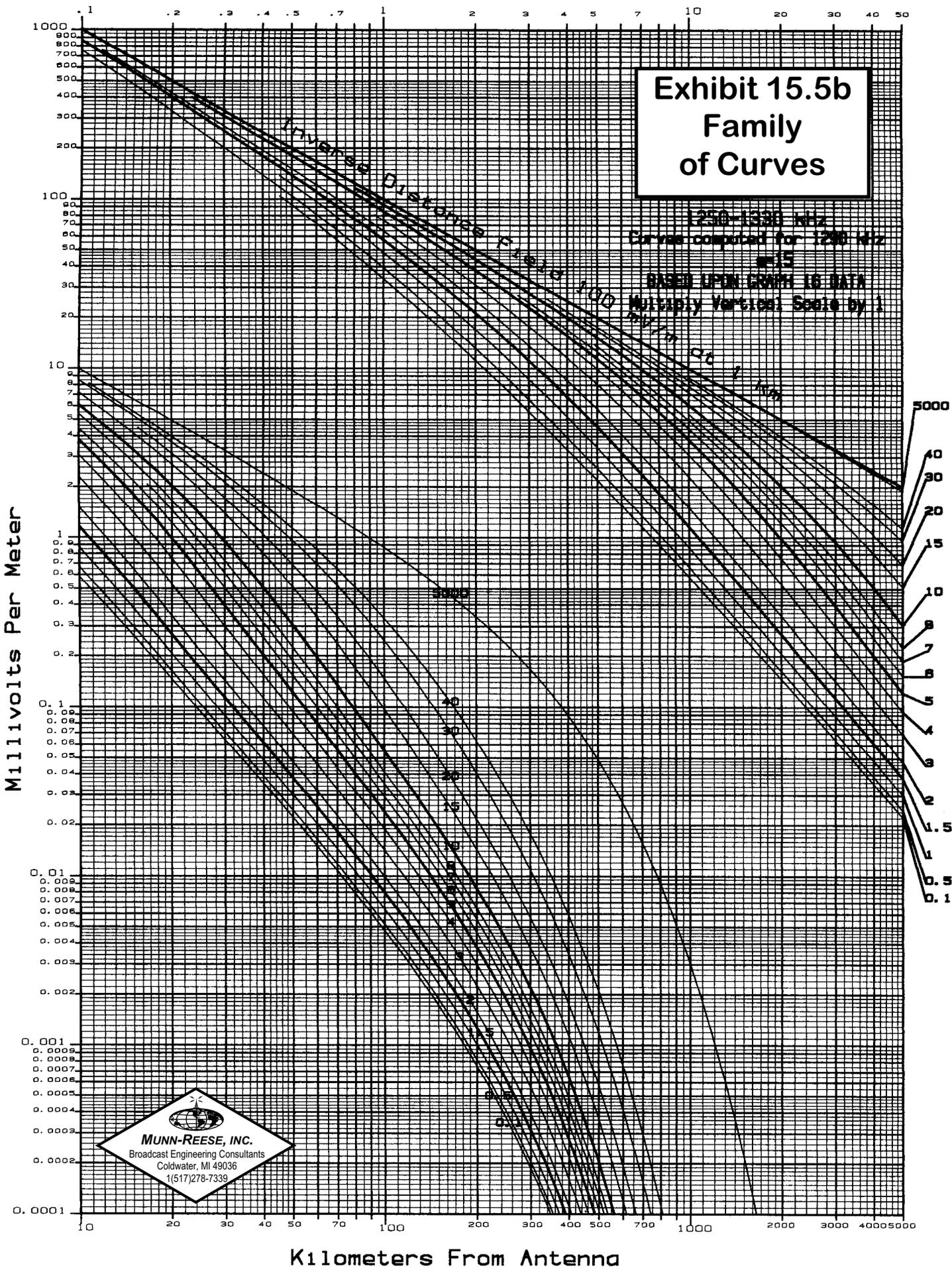
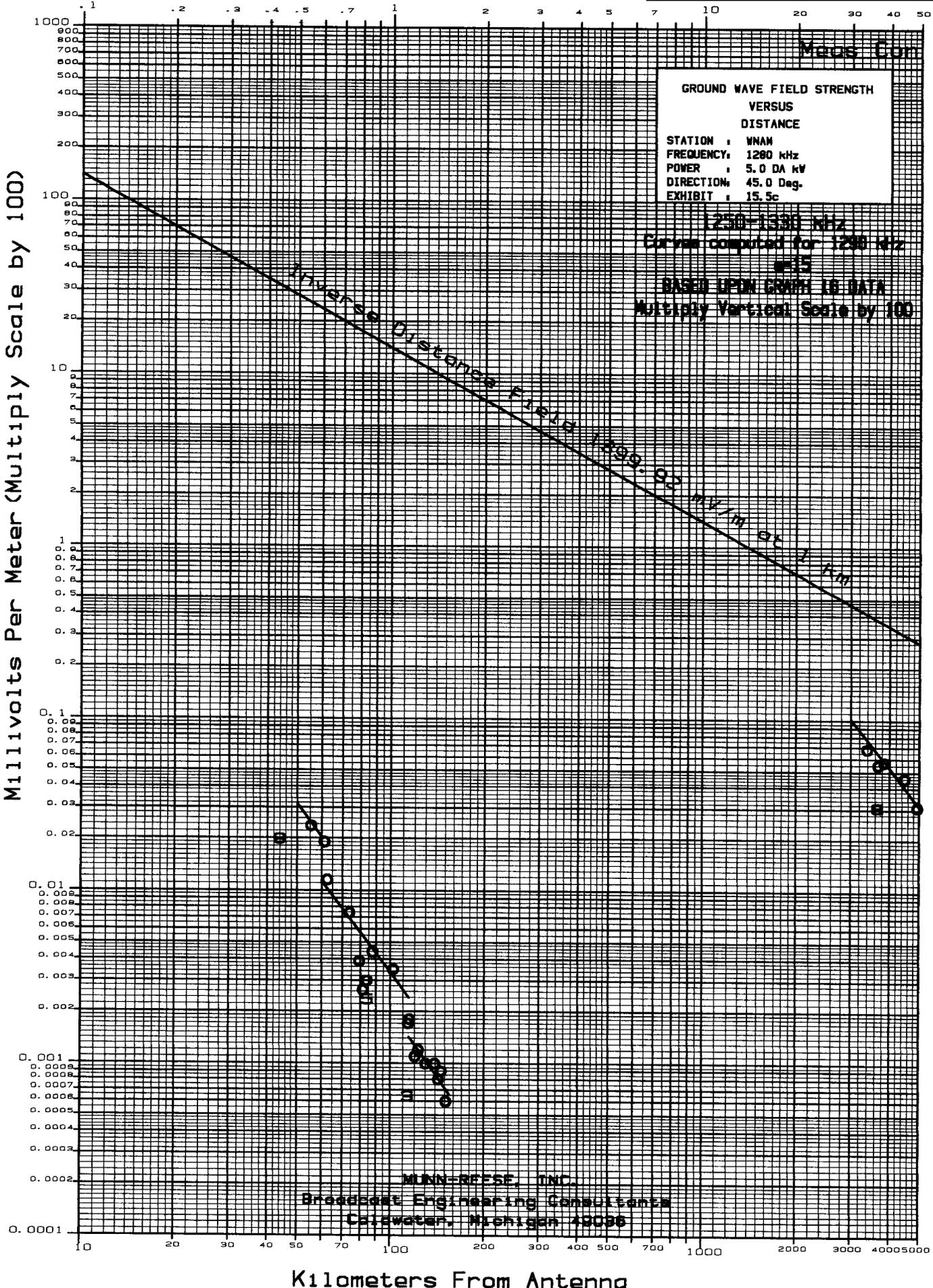


Exhibit 15.5c

Call:	WNAM.L			Frequency (kHz):			1280	Power (kW):		5.0 DA	
				Bearing (°T):			45.0°				
Point #	Meas Con						Distance	Direct		Log	
	mV/m	Time	Date	mV/m	Time	Date	km	Ratio	Remarks	Ratio	
1	6.800	1153	06/21/06				33.9				
2	5.500	1157	06/21/06				36.8				
3	5.700	1201	06/21/06				38.5				
4	4.600	1211	06/21/06				44.8				
5	3.100	1224	06/21/06				49.2				
6	2.350	1240	06/21/06				55.5				
7	1.900	1300	06/21/06				61.2				
8	1.150	1313	06/21/06				62.6				
9	0.740	1446	06/20/06				73.7				
10	0.390	1459	06/20/06				79.4				
11	0.265	1507	06/20/06				81.6				
12	0.300	1514	06/20/06				83.9				
13	0.440	1523	06/20/06				87.7				
14	0.350	1838	06/20/06				102.0				
15	0.170	1824	06/20/06				114.0				
16	0.180	1821	06/20/06				115.0				
17	0.110	1814	06/20/06				120.0				
18	0.120	1601	06/20/06				123.0				
19	0.100	1617	06/20/06				130.0				
20	0.100	1634	06/20/06				139.0				
21	0.080	1646	06/20/06				143.0				
22	0.090	1652	06/20/06				146.0				
22	0.060	1705	06/20/06				151.0				

Exhibit 15.5c



Millivolts Per Meter (Multiply Scale by 100)

Kilometers From Antenna

EVANS ASSOCIATES
Consulting Engineers

FIGURE 3-c

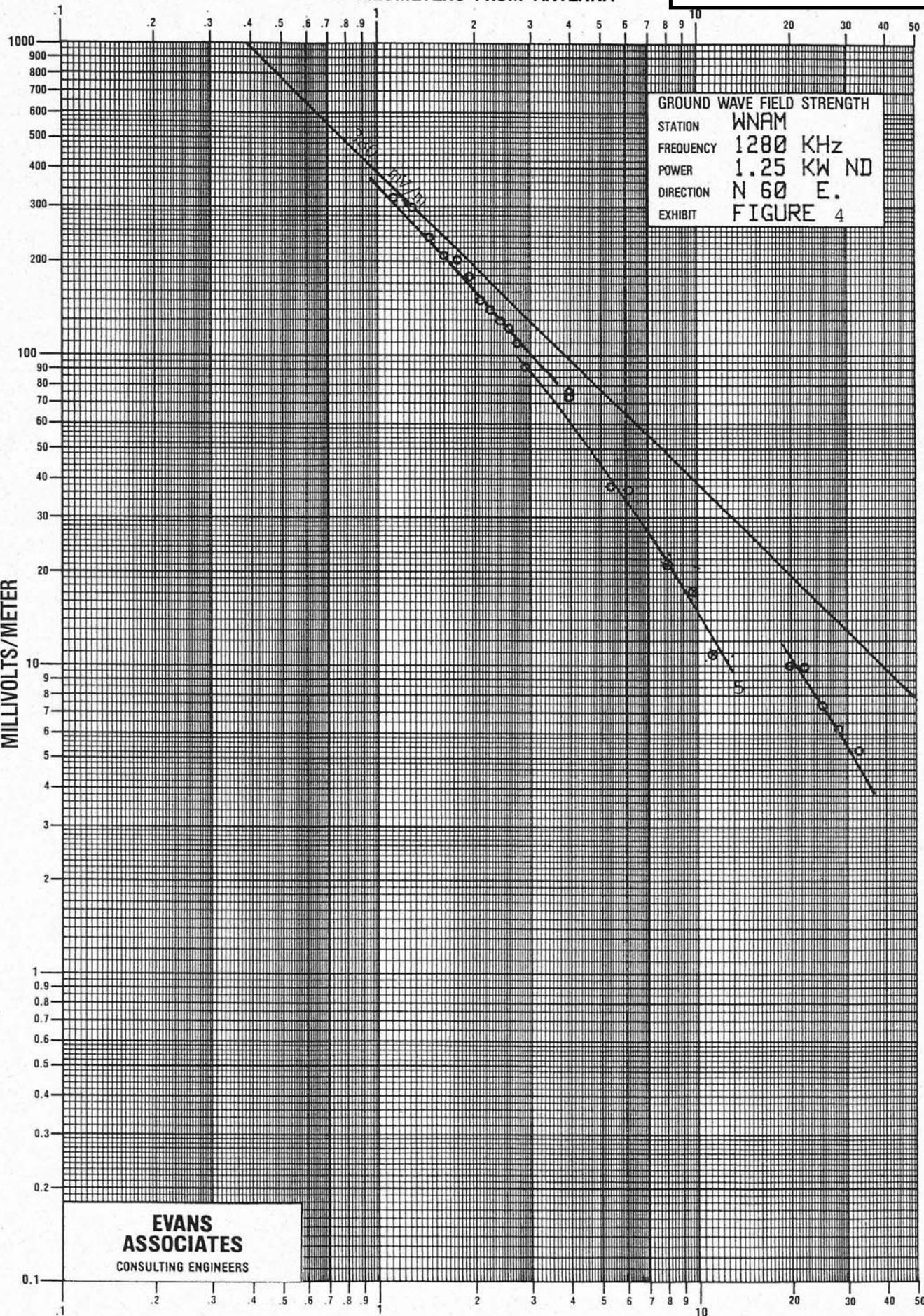
TABULATION OF FIELD INTENSITY MEASUREMENTS

WNAM - FULL PROOF 06-03-1992
 WNAM RADIAL 60 Degrees - OMNI ,1992: FEBRUARY READINGS
 WNAM RADIAL 60 Degrees - DAY,1992: MARCH READINGS
 NEENAH, WI 1280 KHZ

PT #	DIST km	92OMNI mv/m	TIME CST	92DAY mv/m	TIME CST	COMMENTS	RATIO
=====							
			2/20/92				
1	1.13	322	11:06			BERGER	
2	1.29	300	11:03				
3	1.45	240	11:00				
4	1.61	210	10:55				
5	1.77	203	10:51				
6	1.93	180	10:47				
7	2.09	151	10:44				
8	2.25	141	10:32				
9	2.41	130	10:28				
10	2.57	123	10:24				
=====							
					3/26/92		
11	2.74	110	10:20	330	17:32	GORJANCE	3.0000
12	2.9	92	10:16	252	17:34		2.7391
=====							
			2/7/92				
13	5.36	38	16:03	113	12:17		2.9737
14	6.08	37	16:09	94	12:14		2.5405
=====							
			4/30/92				
15	8.05	21	10:29	75	10:27	LAKE	3.5714
16	9.66	17.5	10:46	66	10:44		3.7714
	11.27	10.9	11:05	45	11:04		4.1284
=====							
			2/11/92				
18	19.79	10.0	11:49	22.8	11:18	GORJANCE	2.2800
19	22.05	9.9	11:44	22.3	11:13		2.2525
20	25.07	7.4	11:39	17.0	11:07		2.2973
21	28.2	6.2	11:31	15.5	11:00		2.5000
22	32.59	5.3	11:23	12.2	10:52		2.3019
=====							

TOTAL ARITHMETIC RATIO: 2.8630
 TOTAL LOG RATIO: 2.8022

KILOMETERS FROM ANTENNA



KILOMETERS FROM ANTENNA