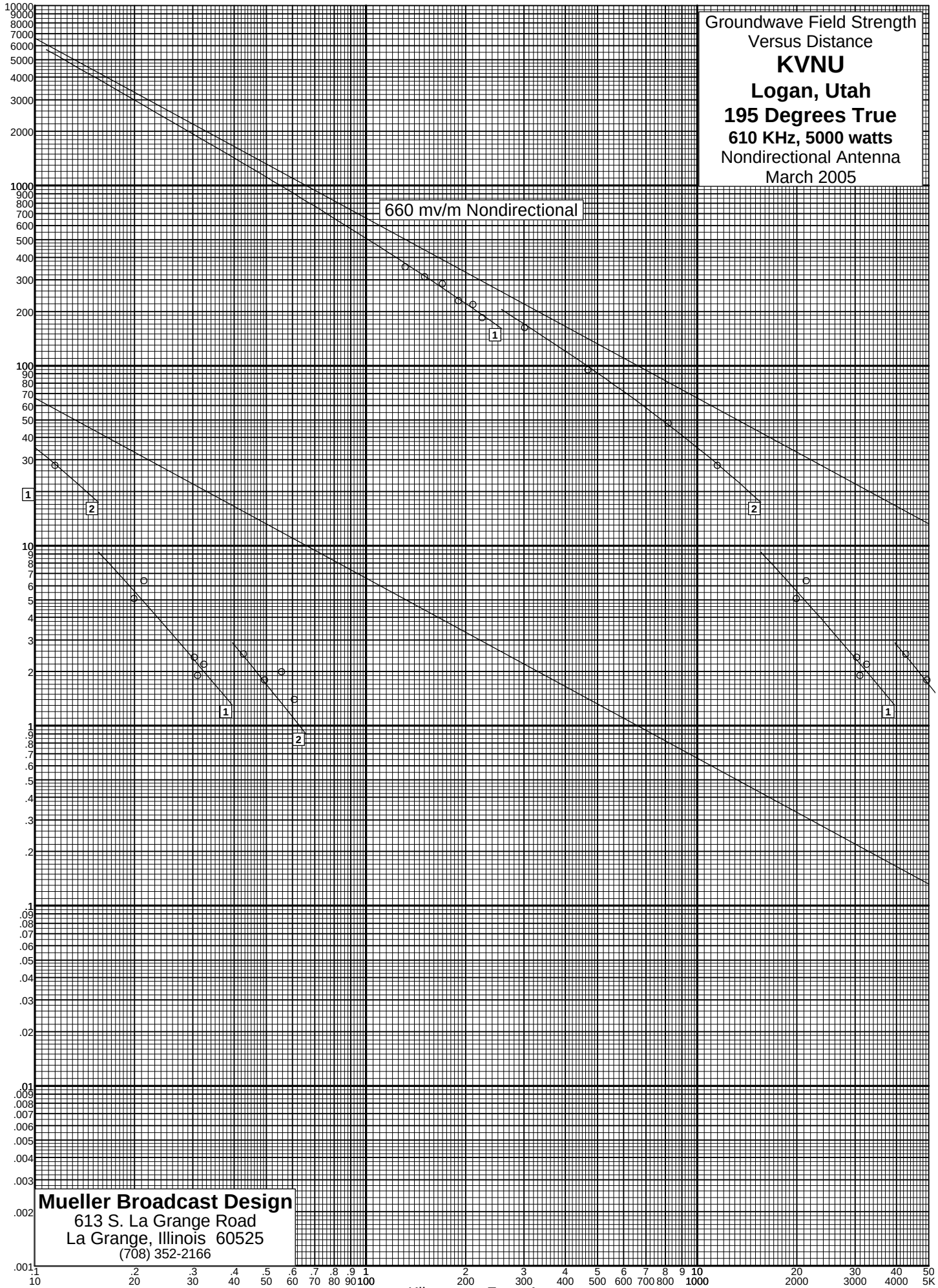
KTKK
Application to changed Transmitter Site and City of License from Sandy to Magna, Utah

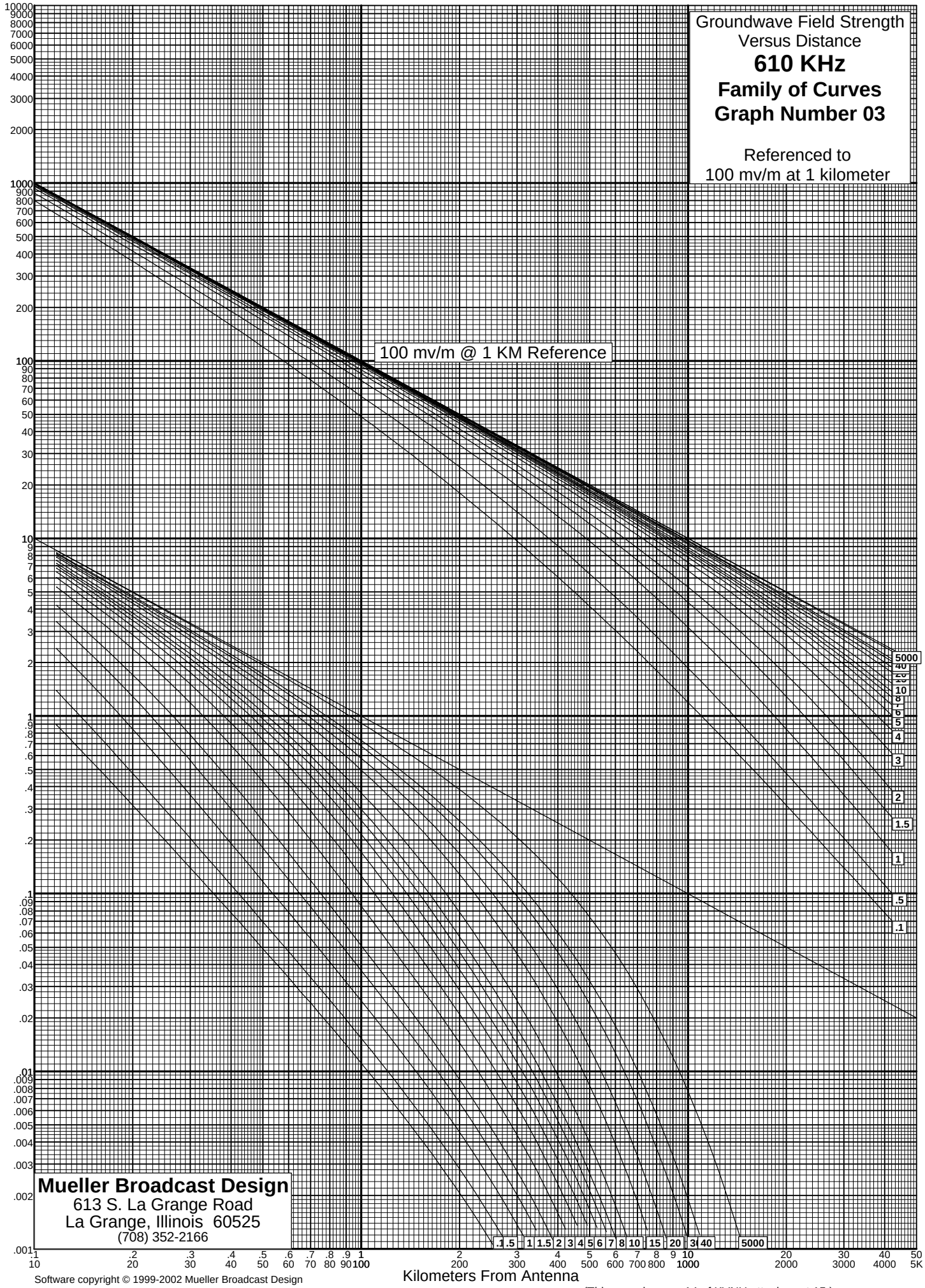
Field Intensity Measurements on KVNU, Logan, Utah.

The interference analysis of the proposed KTKK facility refers to Field Intensity Measurements. Said measurements were conducted by KVNU and reported by them in their application BP-20040309ACL in Attachment 15 pages 13 to 16, which is located on the FCC server at:

Http://svartifoss2.fcc.gov/prod/cdbs/forms/prod/getattachment_exh.cgi?exhibit_id=398083

The referenced pages have been reproduced on the following pages of this attachment for convenience.





Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Field Intensity Measurements — Nondirectional Antenna
KVNU, Logan, Utah — 195 Degrees True — 610 KHz

Loc	2005	Time	ND	Lat	Lon	Dist. (KM)
1	31-Mar	12:20 PM	355	41-39.805	111-56.41	1.31
2	31-Mar	12:15 PM	312	41-39.709	111-56.453	1.50
3	31-Mar	12:10 PM	285	41-39.606	111-56.49	1.70
4	31-Mar	12:05 PM	230	41-39.501	111-56.528	1.90
5	31-Mar	12:00 PM	219	41-39.396	111-56.564	2.10
6	31-Mar	11:55 AM	185	41-39.321	111-56.587	2.24
7	31-Mar	11:50 AM	163	41-38.926	111-56.754	3.01
8	31-Mar	11:35 AM	95.0	41-38.055	111-57.033	4.67
9	31-Mar	09:10 AM	48.0	41-36.231	111-57.648	8.15
10	31-Mar	09:17 AM	28.0	41-34.488	111-58.276	11.5
11	31-Mar	09:28 AM	5.10	41-30.131	111-59.876	19.9
12	31-Mar	09:34 AM	6.40	41-29.373	112-0.125	21.3
13	31-Mar	09:45 AM	2.40	41-24.665	112-1.812	30.3
14	31-Mar	09:50 AM	1.90	41-24.315	112-1.921	31.0
15	31-Mar	09:55 AM	2.20	41-23.59	112-2.079	32.4
16	31-Mar	10:10 AM	2.50	41-18.316	112-4.27	42.6
17	31-Mar	10:25 AM	1.80	41-14.733	112-5.158	49.3
18	31-Mar	10:35 AM	2.00	41-11.447	112-6.419	55.6
19	31-Mar	10:45 AM	1.40	41-8.792	112-7.371	60.7

KVNU

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111-56-06

185 Degrees True

Break No.	Cond.	Dist.	CF	Total
1	1.0	2.55	-0.58	-0.58
2	2.0	15.70	+4.76	+4.18
3	1.0	39.10	-15.24	-11.06
4	2.0	61.00	-145.77	-156.83
5	15.0	400.00		

190 Degrees True

Break No.	Cond.	Dist.	CF	Total
1	1.0	2.55	-0.58	-0.58
2	2.0	15.70	+4.76	+4.18
3	1.0	39.10	-15.24	-11.06
4	2.0	61.00	-145.77	-156.83
5	15.0	400.00		

195 Degrees True

Break No.	Cond.	Dist.	CF	Total
1	1.0	2.55	-0.58	-0.58
2	2.0	15.70	+4.76	+4.18
3	1.0	39.10	-15.24	-11.06
4	2.0	61.00	-145.77	-156.83
5	15.0	400.00		

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KVNU

April 15, 2005
41-40-30 Page 2
111-56-06

200 Degrees True

Break No.	Cond.	Dist.	CF	Total
1	1.0	2.55	-0.58	-0.58
2	2.0	15.70	+4.76	+4.18
3	1.0	39.10	-15.24	-11.06
4	2.0	61.00	-145.77	-156.83
5	15.0	400.00		

205 Degrees True

Break No.	Cond.	Dist.	CF	Total
1	1.0	2.50	-0.56	-0.56
2	2.0	15.70	+4.75	+4.19
3	1.0	39.10	-15.24	-11.05
4	2.0	61.00	-145.74	-156.79
5	15.0	400.00		

Distance to 5 mv/m contour

Bear.= KM	Bear.= KM	Bear.= KM	Bear.= KM
0° = 74.5	90° = 69.6*	180° = 61.0	270° = 76.8
5° = 74.5	95° = 69.6*	185° = 29.3*	275° = 74.5
10° = 74.5	100° = 50.3*	190° = 29.3*	280° = 74.5
15° = 74.5	105° = 50.3*	195° = 29.3*	285° = 74.5
20° = 74.5	110° = 50.3*	200° = 29.3*	290° = 74.5
25° = 74.5	115° = 50.3*	205° = 29.3*	295° = 74.5
30° = 74.5	120° = 68.7	210° = 93.0	300° = 74.5
35° = 74.5	125° = 65.4	215° = 92.7	305° = 74.5
40° = 74.5	130° = 64.0	220° = 92.7	310° = 74.5
45° = 74.5	135° = 63.3	225° = 92.2	315° = 74.5
50° = 74.5	140° = 63.1	230° = 91.9	320° = 74.5
55° = 74.5	145° = 62.2	235° = 91.6	325° = 74.5
60° = 74.5	150° = 61.6	240° = 90.7	330° = 74.5
65° = 74.5	155° = 61.4	245° = 90.0	335° = 74.5
70° = 74.5	160° = 61.0	250° = 88.7	340° = 74.5
75° = 69.6*	165° = 61.0	255° = 87.3	345° = 74.5
80° = 69.6*	170° = 60.8	260° = 85.2	350° = 74.5
85° = 69.6*	175° = 60.7	265° = 81.9	355° = 74.5

All distances based on M-3 conductivity except those marked with *, which are based on measurements.