

BNP- 20140715ABO Proposed Site Measurements For Reference

Station: KWKW, 1330 kHz				
Radial 59 deg				
Point Desig.	Distance (km)	Date	Time (local)	Field Strength (mV/m)
1	4.43	6/20/14	912	76.0
2	5.85	6/20/14	920	44.0
3	7.00	6/20/14	928	42.0
4	9.18	6/20/14	936	21.2
5	16.62	6/18/14	1823	4.30
6	20.04	6/18/14	1812	2.20
7	22.56	6/18/14	1801	1.80
8	25.26	6/18/14	1748	1.12
9	27.17	6/18/14	1740	0.800
10	29.91	6/18/14	1727	0.580
11	32.01	6/18/14	1717	0.600

Station: KWKW, 1330 kHz				
Radial 79 deg				
Point Desig.	Distance (km)	Date	Time (local)	Field Strength (mV/m)
1	0.68	6/19/14	830	830
2	0.96	6/17/14	910	630
3	1.69	6/17/14	920	400
4	2.03	6/17/14	923	348
5	2.37	6/17/14	929	272
6	2.55	6/17/14	933	262
7	3.07	6/17/14	930	192
8	3.65	6/17/14	943	120
9	6.25	6/17/14	954	80.0
10	8.81	6/17/14	1009	17.0
11	12.73	6/17/14	1036	19.5
12	15.16	6/17/14	1050	9.50
13	19.83	6/17/14	1106	7.20
14	23.15	6/17/14	1120	6.00
15	25.58	6/17/14	1128	3.60
16	28.51	6/17/14	1140	3.50
17	31.62	6/17/14	1206	1.05
18	33.97	6/17/14	1214	0.940
19	35.35	6/17/14	1220	0.990
20	37.15	6/17/14	1226	0.820
21	39.80	6/17/14	1233	0.720

Station: KWKW, 1330 kHz				
Radial 99 deg				
Point Desig.	Distance (km)	Date	Time (local)	Field Strength (mV/m)
1	6.70	6/18/14	842	60.0
2	10.76	6/18/14	856	25.0
3	13.41	6/18/14	907	19.5
4	15.54	6/18/14	913	13.5
5	17.17	6/18/14	919	21.0
6	19.79	6/18/14	926	12.5
7	22.75	6/18/14	935	8.50
8	27.47	6/18/14	954	4.70
9	29.98	6/18/14	1013	2.85
10	36.05	6/18/14	1032	1.05
11	36.37	6/18/14	1040	1.15
12	37.76	6/18/14	1047	0.740
13	39.07	6/18/14	1051	0.720
14	40.50	6/18/14	1059	1.15

Station: KWKW, 1330 kHz				
Radial 119 deg				
Point Desig.	Distance (km)	Date	Time (local)	Field Strength (mV/m)
1	0.73	6/19/14	825	800
2	1.01	6/19/14	835	620
3	1.41	6/19/14	839	530
4	1.61	6/19/14	842	440
5	1.93	6/19/14	846	341
6	2.28	6/19/14	850	250
7	2.59	6/19/14	855	222
8	3.94	6/19/14	906	125
9	6.80	6/19/14	916	111
10	9.52	6/19/14	926	62.0
11	40.67	6/18/14	1231	1.25
12	11.78	6/19/14	933	29.9
13	14.77	6/19/14	946	23.5
14	19.03	6/19/14	957	14.0
15	22.44	6/19/14	1010	8.10
16	26.61	6/19/14	1024	4.20
17	29.85	6/19/14	1034	3.90
18	33.24	6/19/14	1044	2.25
19	36.40	6/19/14	1054	1.75
20	39.58	6/19/14	1104	1.51

Schwab Multimedia LLC

KWIF (A M), 1500 KHz, Culver City, California
FCC Form 301 Section III-A #10a Supporting Exhibit 17
Ground Conductivity Measurements, October 2020

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Station: KWKW, 1330 kHz				
Radial 130 deg				
Point Desig.	Distance (km)	Date	Time (local)	Field Strength (mV/m)
1	0.56	8/24/02	11:20	1560
2	0.66	8/24/02	11:24	1100
3	0.75	8/24/02	11:26	1030
4	0.84	8/24/02	11:29	875
5	1.16	8/24/02	11:31	670
6	1.77	8/24/02	15:57	295
7	2.59	8/24/02	15:53	250
8	3.35	8/24/02	15:47	155
9	3.89	8/24/02	15:42	168
10	4.84	8/24/02	15:34	138
11	5.76	8/24/02	15:29	70
12	6.53	8/24/02	15:24	100
13	7.08	8/24/02	15:20	70
14	7.63	8/24/02	14:54	90
15	8.66	8/24/02	14:47	66
16	9.70	8/24/02	14:39	64
17	10.27	8/24/02	14:35	52
18	11.28	8/24/02	14:29	43
19	12.36	8/24/02	14:05	39.5
20	12.87	8/24/02	14:09	25
21	13.65	8/24/02	14:18	24
22	14.27	8/24/02	13:57	20
23	15.37	8/24/02	13:57	24
24	16.58	8/24/02	13:48	8.8
25	16.74	8/22/02	14:41	12.5
26	18.51	8/22/02	14:26	15.0
27	22.53	8/22/02	14:09	6.60
28	25.43	8/22/02	14:00	5.00
29	28.65	8/22/02	13:50	2.50
30	32.83	8/22/02	13:26	3.60
31	35.08	8/22/02	13:19	2.75
32	36.85	8/22/02	12:04	0.80

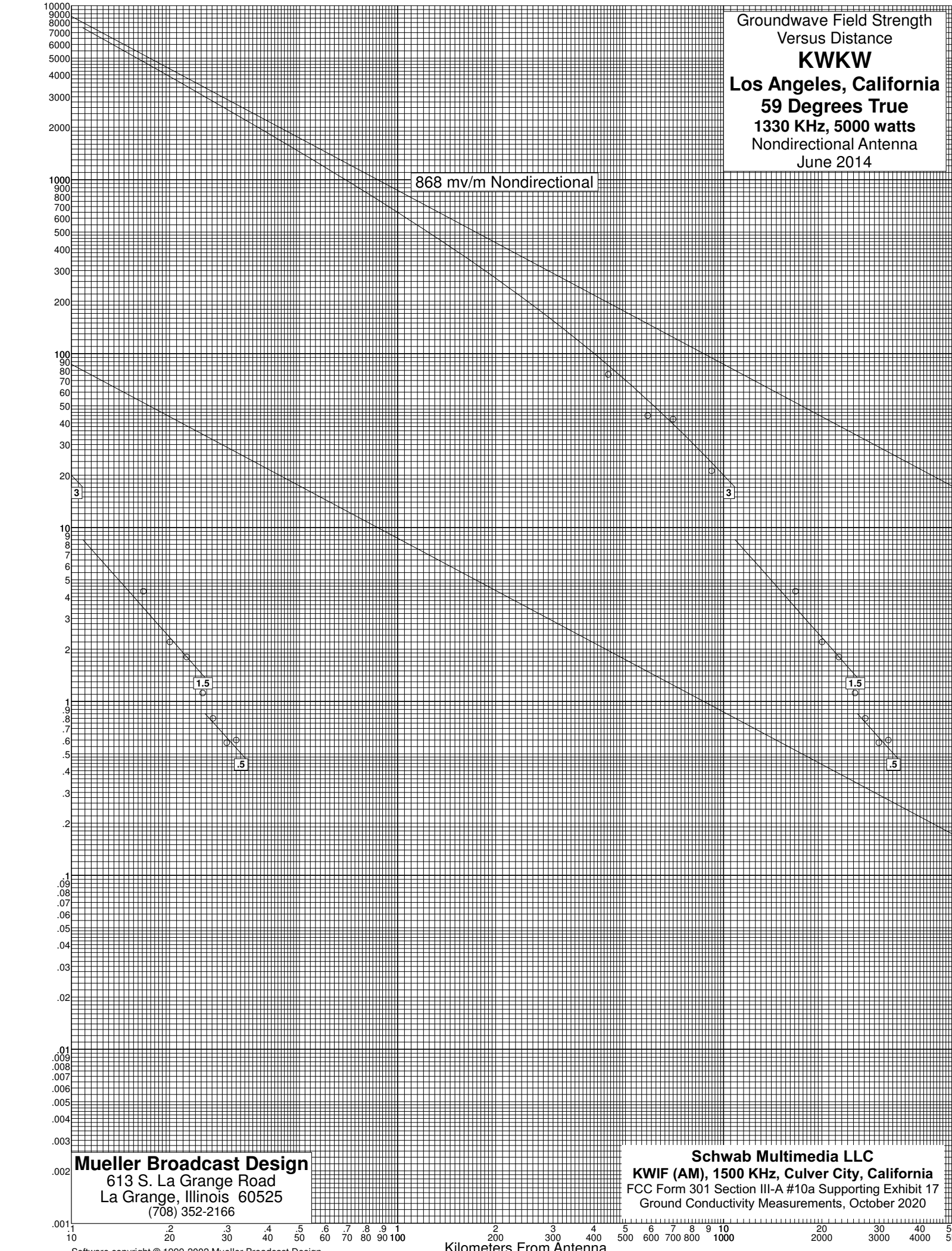
Station: KWKW, 1330 kHz				
Radial 284 deg				
Point Desig.	Distance (km)	Date	Time (local)	Field Strength (mV/m)
1	0.37	6/21/14	1722	1900
2	0.87	6/21/14	1714	1050
3	1.21	6/21/14	1728	490
4	1.42	6/21/14	1732	680
5	1.93	6/21/14	1736	375
6	2.41	6/21/14	1738	325
7	2.45	6/21/14	1251	210
8	2.95	6/21/14	1246	400
9	5.24	6/21/14	1239	135
10	7.47	6/21/14	1229	72.0
11	9.14	6/21/14	1221	55.0
12	11.63	6/21/14	1210	13.5
13	13.41	6/21/14	1154	24.5
14	18.71	6/21/14	1551	3.80
15	19.31	6/21/14	1543	4.90
16	20.04	6/21/14	1523	2.50

The field strength measurements on radials other than 130° were made by Matthew Folkert, of du Treil, Lundin & Rackley, using Potomac Instruments FIM-41, serial number 383, which had been compared to FIM-41, serial number 1506 prior to its use and found to be in agreement. The 1506 meter had been most recently calibrated by its manufacturer on May 19, 2014.

The field strength measurements on the 130° radial were made by John Cooper under the direction of the writer, using Potomac Instruments FIM-21 serial number 764 which had been calibrated in April 2002 prior to taking these measurements.

Groundwave Field Strength
Versus Distance
KWKW
Los Angeles, California
59 Degrees True
1330 KHz, 5000 watts
Nondirectional Antenna
June 2014

868 mv/m Nondirectional

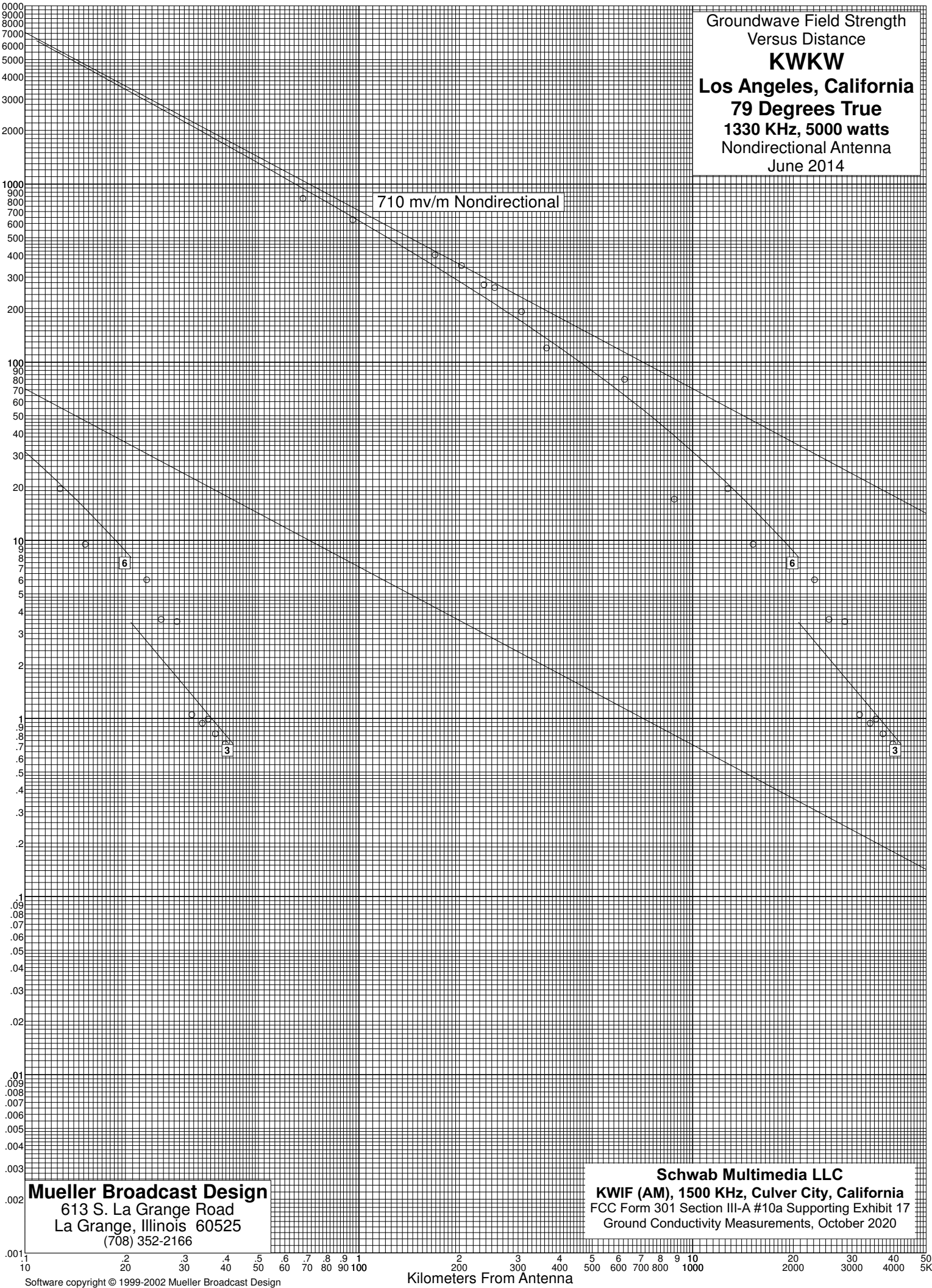


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KWIF (AM), 1500 KHz, Culver City, California
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Ground Conductivity Measurements, October 2020

Groundwave Field Strength
Versus Distance
KWKW
Los Angeles, California
79 Degrees True
1330 KHz, 5000 watts
Nondirectional Antenna
June 2014

710 mv/m Nondirectional

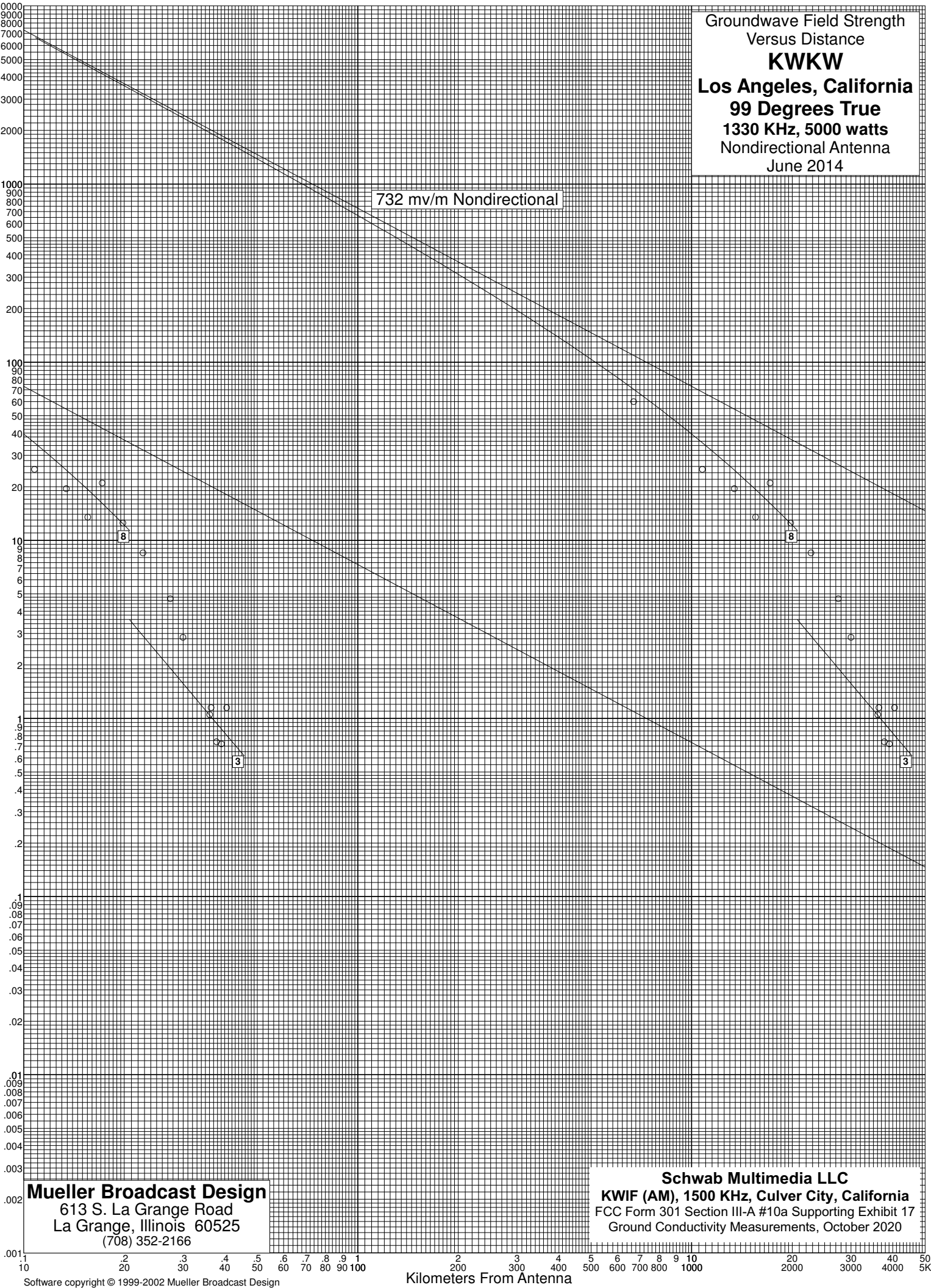


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Ground Conductivity Measurements, October 2020

Groundwave Field Strength
Versus Distance
KWKW
Los Angeles, California
99 Degrees True
1330 KHz, 5000 watts
Nondirectional Antenna
June 2014

732 mv/m Nondirectional

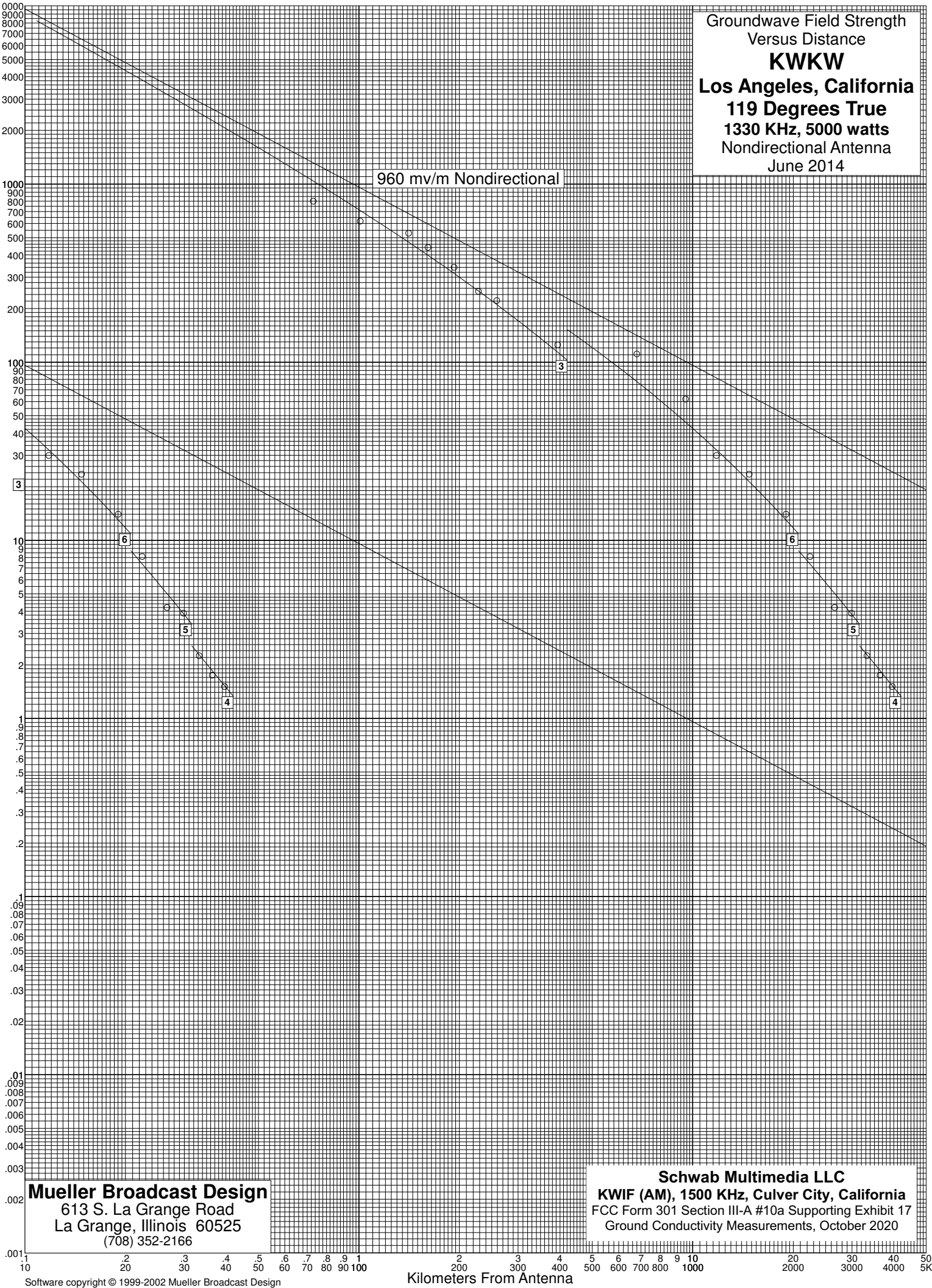


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Ground Conductivity Measurements, October 2020

Groundwave Field Strength
Versus Distance
KWKW
Los Angeles, California
119 Degrees True
1330 KHz, 5000 watts
Nondirectional Antenna
June 2014

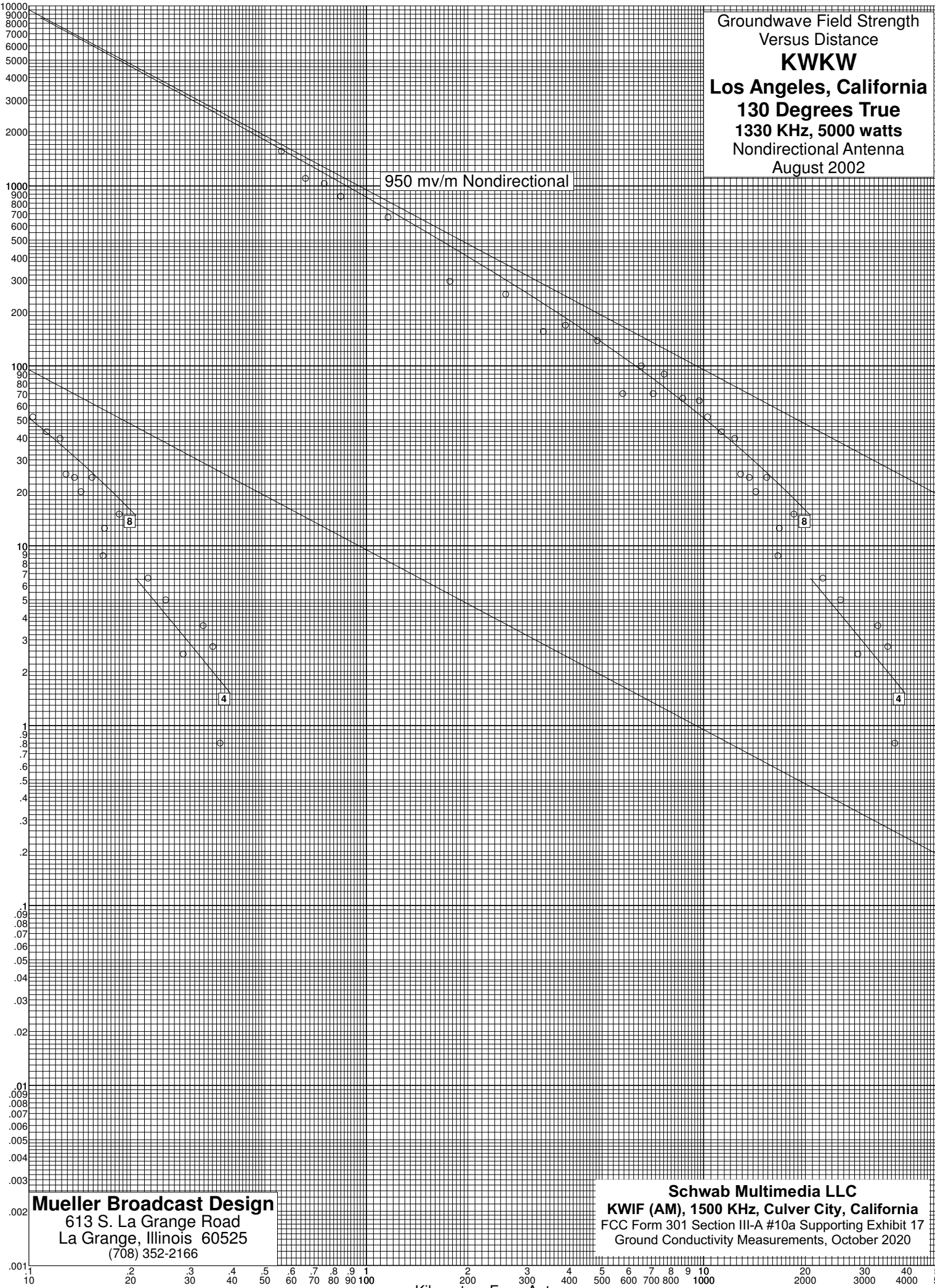
960 mv/m Nondirectional



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Ground Conductivity Measurements, October 2020

Groundwave Field Strength
Versus Distance
KWKW
Los Angeles, California
130 Degrees True
1330 KHz, 5000 watts
Nondirectional Antenna
August 2002

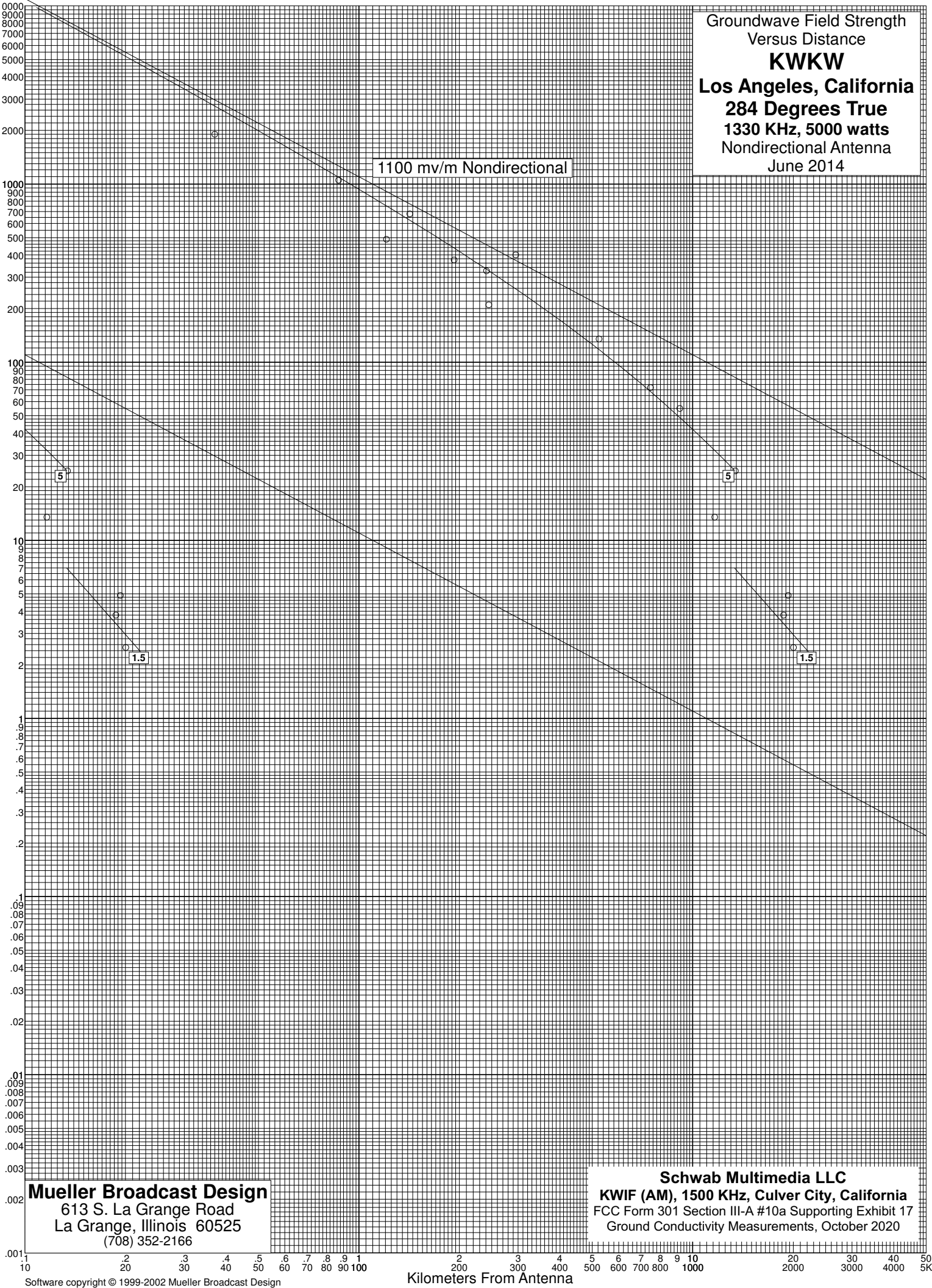


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KWIF (AM), 1500 KHz, Culver City, California
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Ground Conductivity Measurements, October 2020

Groundwave Field Strength
Versus Distance
KWKW
Los Angeles, California
284 Degrees True
1330 KHz, 5000 watts
Nondirectional Antenna
June 2014

1100 mv/m Nondirectional



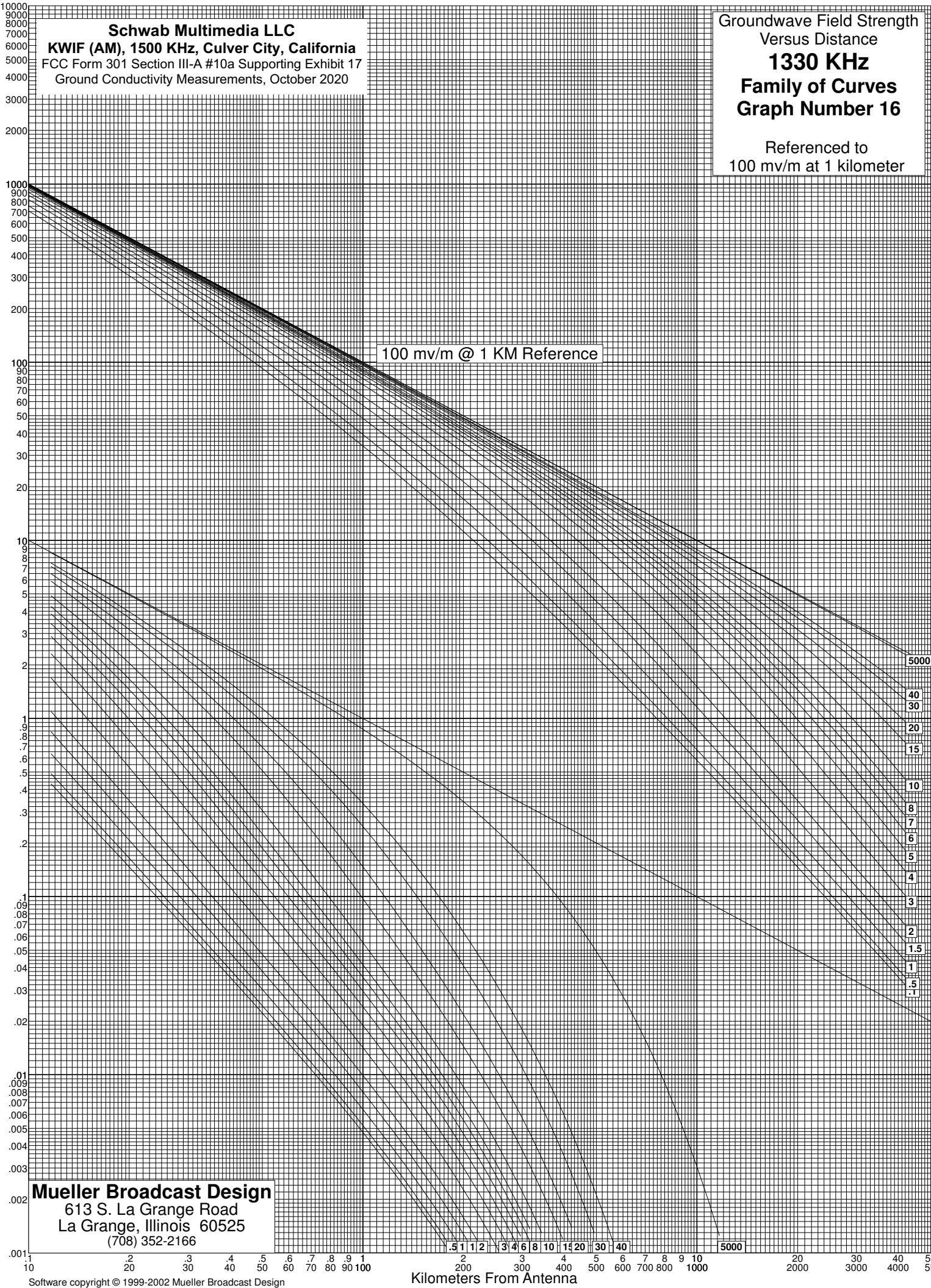
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Ground Conductivity Measurements, October 2020

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KWIF (AM), 1500 KHz, Culver City, California
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Ground Conductivity Measurements, October 2020

Groundwave Field Strength
Versus Distance
1330 KHz
Family of Curves
Graph Number 16

Referenced to
100 mv/m at 1 kilometer



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