

Exhibit: KG6XDP-L20-deg

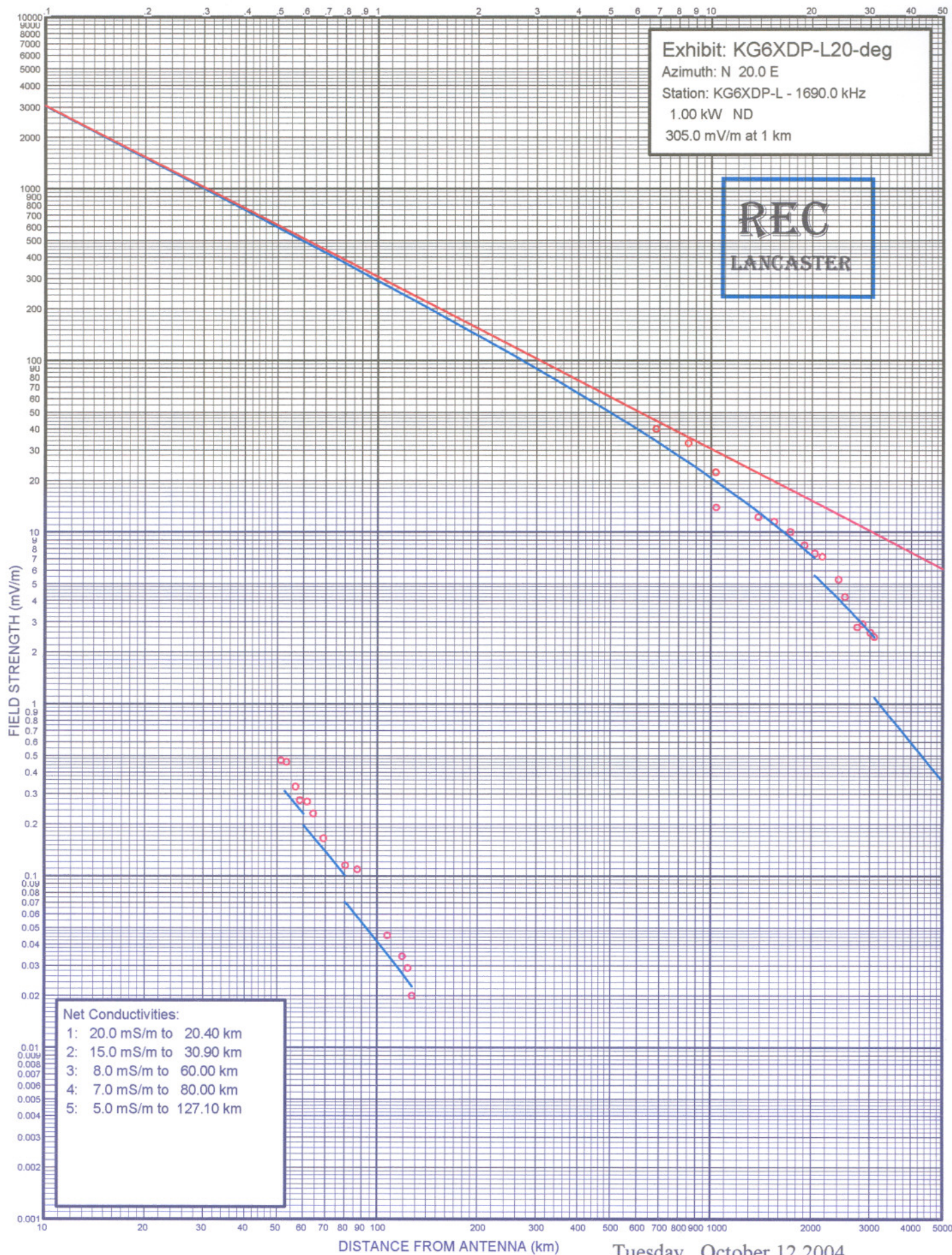
Azimuth: N 20.0 E

Station: KG6XDP-L - 1690.0 kHz

1.00 kW ND

305.0 mV/m at 1 km

**REC**  
**LANCASTER**



Tuesday October 12, 2004



KG6XDP-L

**EDX Amdat File Radial 20.0 Degrees**

1690 20  
29 1

ND	ND1
6.83	40
8.53	33
10.3	22.3
10.33	13.9
13.82	12.2
15.42	11.5
17.26	10
19.03	8.4
20.42	7.5
21.51	7.2
24.09	5.3
25.19	4.2
27.46	2.79
28.53	2.91
30.06	2.6
30.92	2.45
51.28	0.47
53.25	0.46
56.72	0.33
58.47	0.275
61.47	0.27
64.18	0.23
68.89	0.165
80.13	0.115
87.04	0.109
107.22	0.045
118.83	0.034
123.49	0.029
127.08	0.02

## FIELD STRENGTH MEASUREMENT DATA

Azimuth: N 20.0 E

Call: KG6XDP-Lancaster

Frequency: 1690.0 kHz

Power: 1.000 kW

Pattern: ND

Point Number	2004 Date	Time	Distance (km)	Field Strength (mV/m)
1	09/18	0953	6.83	40.00
2	09/18	1005	8.53	33.00
3	09/18	1022	10.30	22.30
4	09/18	1035	10.33	13.90
5	09/18	1045	13.82	12.20
6	09/18	1100	15.42	11.50
7	09/18	1112	17.26	10.00
8	09/18	1125	19.03	8.40
9	09/18	1142	20.42	7.50
10	09/18	1205	21.51	7.20
11	09/18	1235	24.09	5.30
12	09/18	1246	25.19	4.20
13	09/18	1321	27.46	2.79
14	09/18	1356	28.53	2.91
15	09/18	1405	30.06	2.60
16	09/18	1422	30.92	2.45
17	09/16	1301	51.28	0.470
18	09/16	1310	53.25	0.460
19	09/16	1331	56.72	0.330
20	09/16	1338	58.47	0.275
21	09/16	1407	61.47	0.270
22	09/16	1431	64.18	0.230
23	09/16	1447	68.89	0.165
24	09/16	1552	80.13	0.115
25	09/17	1035	87.04	0.109
26	09/17	1206	107.22	0.045
27	09/17	1350	118.83	0.034
28	09/17	1355	123.49	0.029
29	09/17	1545	127.08	0.020

Tuesday, October 12, 2004

FIELD SURVEY PLAN  
Radio & Tv Engineering Co.DAILY MEASUREMENT REPORT

Station KG6XPD-Lancaster  
Frequency 1690 kHz  
FCC ID # 54760  
Radial No. \_\_\_\_\_  
Az 20 °T  
TX Location 9042 W. Jackman, Lancaster, CA  
TX Site Co-ordinates:  
34° 41' 59" N. Lat. NAD 27  
118° 17' 28" W. Long.

Measured: DAY Thursday  
DATE 09/16/04

Weather: Clear ☒ Cloudy \_\_\_\_\_ Overcast \_\_\_\_\_ Rain \_\_\_\_\_

FIM Model No. 41 s/n 888  
SONY GPS s/n \_\_\_\_\_  
GEO Exp. 3 s/n 0440102482  
BOB Receiver s/n 0340000906  
MAGELLAN used \_\_\_\_\_

Field Engineer P-L-L L-tz

Supervised by Norwood J. Patterson  
Norwood J. Patterson  
REC Engineer

FIELD SURVEY PLAN  
Radio & Tv Engineering Co.DAILY MEASUREMENT REPORT

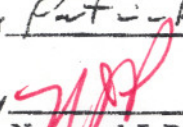
Station KG6XPD-Lancaster  
Frequency 1690 kHz  
FCC ID # 54760  
Radial No. 2  
Az 20 °T  
TX Location 9042 W. Jackman, Lancaster, CA  
TX Site Co-ordinates:  
34° 41' 59" N. Lat. NAD 27  
118° 17' 28" W. Long.

Measured: DAY Friday  
DATE 9/17/04

Weather: Clear ☒ Cloudy ☐ Overcast ☐ Rain ☐

FIM Model No. 41 s/n 888  
SONY GPS s/n             
GEO Exp. 3 s/n 0440102482  
BOB Receiver s/n 0340000906  
MAGELLAN used           

Field Engineer Patrick Luther

Supervised by   
Norwood J. Patterson  
REC Engineer

REC ID Pg. Field Survey Plan

Tuesday, October 12, 2004

FIELD SURVEY PLAN  
Radio & Tv Engineering Co.DAILY MEASUREMENT REPORT

Station KG6XPD-Lancaster  
Frequency 1690 kHz  
FCC ID # 54760  
Radial No. 2  
Az 20 °T  
TX Location 9042 W. Jackman, Lancaster, CA  
TX Site Co-ordinates:  
34° 41' 59" N. Lat. NAD 27  
118° 17' 28" W. Long.

Measured: DAY Sunday  
DATE 9/18/04

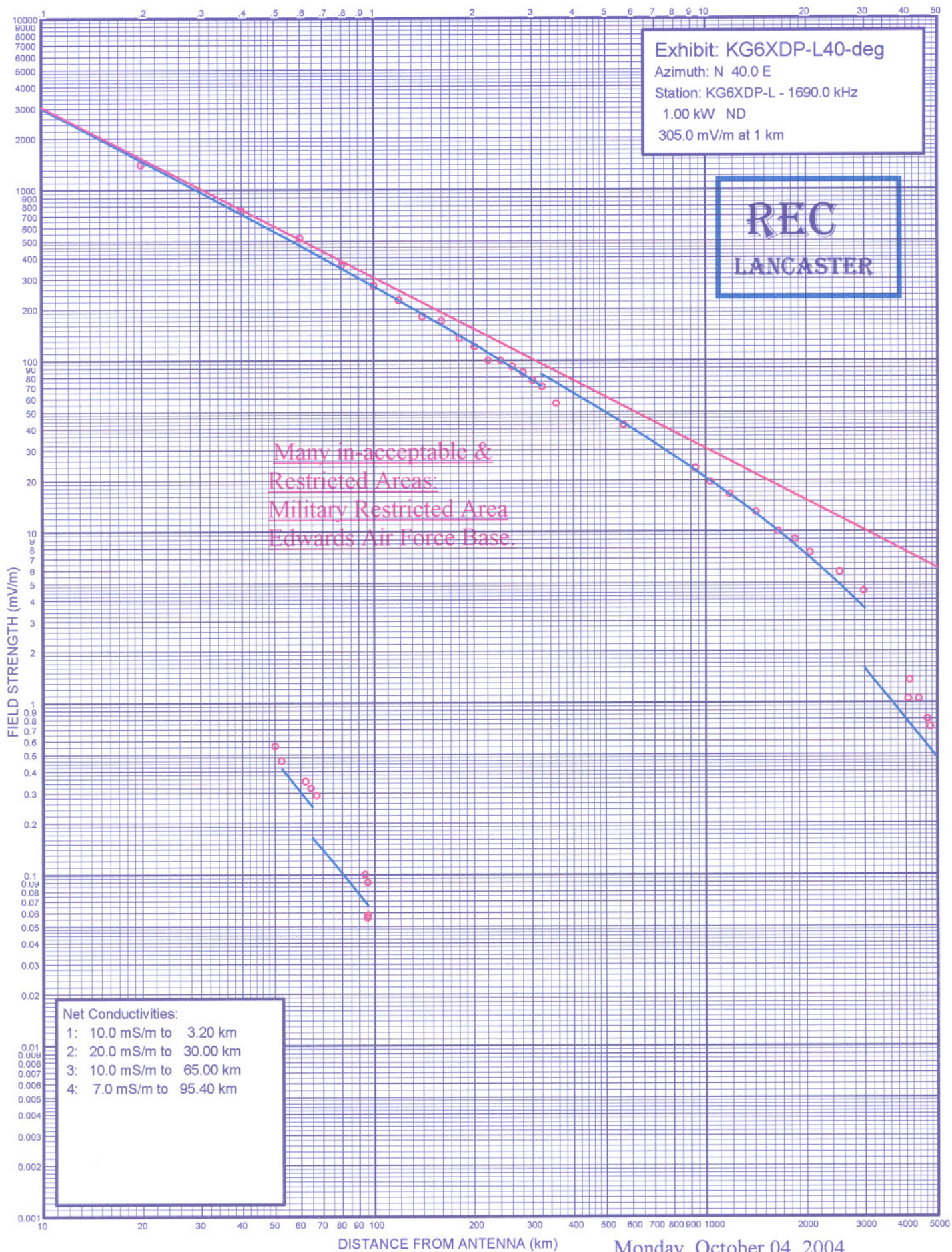
Weather: Clear ☒ Cloudy ☐ Overcast ☐ Rain ☐

FIM Model No. 41 s/n 888  
SONY GPS s/n             
GEO Exp. 3 s/n 0440102482  
BOB Receiver s/n 0340000906  
MAGELLAN used           

Field Engineer Patrick L. Luter

Supervised by Norwood J. Patterson  
Norwood J. Patterson  
REC Engineer







KG6XDP-L

1690 40

41 1

ND ND1

0.199	1400
0.399	750
0.599	520
0.799	360
0.999	275
1.199	225
1.4	180
1.6	170
1.81	135
2.01	120
2.21	100
2.41	100
2.61	92
2.813	85
3.012	76
3.212	70
3.539	56
5.65	42
9.29	23.5
10.31	19.5
11.74	16.5
14.09	13
16.43	10
18.45	9
20.47	7.5
25.18	5.8
29.79	4.5
40.64	1.05
41.05	1.35
43.76	1.05
46.49	0.8
47.38	0.72
50.1	0.56
52.37	0.46
61.86	0.35
64.21	0.32
66.86	0.29
93.41	0.1
95.04	0.056
95.14	0.09
95.38	0.058

## EDX Amdat File Radial 40 °



## FIELD STRENGTH MEASUREMENT DATA

Azimuth: N 40.0 E

Call: KG6XDP-Lancaster

Frequency: 1690.0 kHz

Power: 1.000 kW

Pattern: ND

Point Number	2004 Date	Time	Distance (km)	Field Strength (mV/m)
1	9/29	0732	0.20	1400.00
2	9/29	0741	0.40	750.00
3	9/29	0759	0.60	520.00
4	9/29	0810	0.80	360.00
5	9/29	0818	1.00	275.00
6	9/29	0825	1.19	225.00
7	9/29	0833	1.40	180.00
8	9/29	0848	1.60	170.00
9	9/29	0907	1.81	135.00
10	9/29	0923	2.01	120.00
11	9/29	0927	2.21	100.00
12	9/29	0940	2.41	100.00
13	9/29	0949	2.61	92.00
14	9/28	1615	2.81	85.00
15	9/28	1621	3.01	76.00
16	9/28	1630	3.21	70.00
17	9/28	1645	3.54	56.00
18	9/29	0725	5.65	42.00
19	9/29	0734	9.29	23.50
20	9/29	0739	10.31	19.50
21	9/29	0746	11.74	16.50
22	9/29	0752	14.09	13.00
23	9/29	0800	16.43	10.00
24	9/29	0808	18.45	9.00
25	9/29	0815	20.47	7.50
26	9/29	0845	25.18	5.80
27	9/29	0945	39.79	1.50
28	9/29	0925	40.64	1.05
29	9/29	0936	41.05	1.35
30	9/29	1012	43.76	1.05
31	9/29	1020	46.49	0.800
32	9/29	1026	47.38	0.720
33	9/29	1035	50.10	0.560
34	9/29	1104	52.37	0.460
35	9/29	1210	61.86	0.350
36	9/29	1222	64.21	0.320
37	9/29	1234	66.86	0.290
38	9/29	1527	93.41	0.100
39	9/29	1501	95.38	0.058
40	9/29	1507	95.04	0.056
41	9/29	1510	95.14	0.090

Monday, October 04, 2004

FIELD SURVEY PLAN  
Radio & Tv Engineering Co.

DAILY MEASUREMENT REPORT

Station KG6XPD-Lancaster  
Frequency 1690 kHz  
FCC ID # 54760  
Radial No. \_\_\_\_\_  
Az 40 °T  
TX Location 9042 W. Jackman, Lancaster, CA  
TX Site Co-ordinates:  
34° 41' 59" N. Lat. NAD 27  
118° 17' 28" W. Long.

Measured: DAY TUESDAY  
DATE 9/28/04

Weather: Clear X Cloudy\_\_\_\_ Overcast\_\_\_\_ Rain\_\_\_\_

FIM Model No. 41 s/n 882  
SONY GPS s/n\_\_\_\_  
GEO Exp. 3 s/n\_\_\_\_  
BOB Receiver s/n\_\_\_\_  
MAGELLAN used 330

Field Engineer JIM PATTERSON

Supervised by Norwood J. Patterson  
Norwood J. Patterson  
REC Engineer



FIELD SURVEY PLAN  
Radio & Tv Engineering Co.

DAILY MEASUREMENT REPORT

Station KG6XPD-Lancaster  
Frequency 1690 kHz  
FCC ID # 54760  
Radial No. \_\_\_\_\_  
Az 40 °T  
TX Location 9042 W. Jackman, Lancaster, CA  
TX Site Co-ordinates:  
34° 41' 59" N. Lat. NAD 27  
118° 17' 28" W. Long.

Measured: DAY WED.  
DATE 9/29/04

Weather: Clear ☒ Cloudy \_\_\_\_\_ Overcast \_\_\_\_\_ Rain \_\_\_\_\_

FIM Model No. 41 s/n 082  
SONY GPS s/n \_\_\_\_\_  
GEO Exp. 3 s/n \_\_\_\_\_  
BOB Receiver s/n \_\_\_\_\_  
MAGELLAN used 330

Field Engineer Jim Patterson

Supervised by Norwood J. Patterson  
Norwood J. Patterson  
REC Engineer