

Exhibit 16-1 Site to Site RSS Calculations KFXX-AM Portland, OR

Licensed

Point: CKSA		Frequency: 1080 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	2498.0	338.8	.0	2628.5	5.696	2.9942	2.9942
KFXX-L	1238.4	42.0	6.0	224.4	43.023	1.9308	3.5627
KVNI	783.2	34.8	12.0	91.4	88.394	1.6166	
WTIC	3026.2	307.7	.0	2051.9	3.523	1.4456	
KUDO	2512.5	92.3	.0	1066.3	5.606	1.1956	
Point: XEDY1		Frequency: 1080 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	1701.7	274.0	2.6	4135.5	17.462	14.4429	14.4429
KFXX-L	1578.3	152.9	3.4	256.7	22.551	1.1580	
KSCO	808.0	124.5	11.5	49.4	85.531	.8446	
YSEM	3350.1	313.4	.0	978.6	2.778	.5437	
Point: KSCO		Frequency: 1080 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	2346.1	288.2	.0	4081.0	10.163	8.2949	8.2949
XEPRS *	674.2	319.8	10.5	4294.9	82.602	7.0953	10.9155
KFXX-L	956.5	177.3	6.4	730.4	45.624	6.6644	12.7892
KNX *	476.6	317.4	15.7	2357.6	129.256	6.0946	14.1671
YSEM	4155.0	314.5	.0	978.6	4.568	.8941	
KWAI	3864.5	55.2	.0	708.9	5.769	.8179	
KBOZ *	1322.0	227.1	3.2	1296.0	25.446	.6595	
* - indicates an adjacent channel station.							

Proposed

Point: CKSA		Frequency: 1080 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	2498.0	338.8	.0	2628.5	5.696	2.9942	2.9942
KVNI	783.2	34.8	12.0	91.4	88.394	1.6166	3.4027
WTIC	3026.2	307.7	.0	2051.9	3.523	1.4456	
KUDO	2512.5	92.3	.0	1066.3	5.606	1.1956	
KFXX-P	1238.1	42.0	6.0	138.4	43.042	1.1913	
Point: XEDY1		Frequency: 1080 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	1701.7	274.0	2.6	4135.5	17.462	14.4429	14.4429
KSCO	808.0	124.5	11.5	49.4	85.531	.8446	
KFXX-P	1578.3	152.9	3.4	148.6	22.551	.6702	
YSEM	3350.1	313.4	.0	978.6	2.778	.5437	
Point: KSCO		Frequency: 1080 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	2346.1	288.2	.0	4081.0	10.163	8.2949	8.2949
XEPRS *	674.2	319.8	10.5	4294.9	82.602	7.0953	10.9155
KNX *	476.6	317.4	15.7	2357.6	129.256	6.0946	12.5017
KFXX-P	956.7	177.3	6.4	527.1	45.614	4.8086	13.3946
YSEM	4155.0	314.5	.0	978.6	4.568	.8941	
KWAI	3864.5	55.2	.0	708.9	5.769	.8179	
KBOZ *	1322.0	227.1	3.2	1296.0	25.446	.6595	
* - indicates an adjacent channel station.							

Hatfield & Dawson Consulting Engineers

Point: KWAJ Frequency: 1080 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSCO	3864.5	253.3	.0	1417.7	5.769	1.6357	1.6357
KRLD	6112.3	274.3	.0	4170.3	1.956	1.6311	2.3099
KFXJ-L	4191.6	241.9	.0	1666.2	4.151	1.3833	2.6924
KUDO	4470.8	191.5	.0	1066.3	2.975	.6344	
KCNM	5968.0	285.5	.0	686.7	4.129	.5671	
YSEM	7279.2	287.5	.0	978.6	1.934	.3785	

Point: KWAJ Frequency: 1080 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSCO	3864.0	253.4	.0	1417.3	5.767	1.6348	1.6348
KRLD	6112.4	274.3	.0	4170.2	1.954	1.6295	2.3082
KFXJ-L	4190.3	241.9	.0	1666.3	4.151	1.3833	2.6910
KWAJ	3.7	333.0	88.5	13.0	521.112	1.3522	3.0116
KUDO	4467.7	191.6	.0	1066.3	2.978	.6350	
KCNM	5966.1	285.6	.0	686.7	4.131	.5673	
YSEM	7280.6	287.5	.0	978.6	1.932	.3781	

Point: KVNI Frequency: 1080 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	2349.2	320.1	.0	3376.7	7.845	5.2978	5.2978
KFXJ-L	496.3	60.5	15.1	199.9	106.509	4.2580	6.7968
KNX *	1535.5	4.6	1.9	2814.2	19.930	1.1217	
CKSA	783.2	220.0	8.6	139.0	39.981	1.1111	
XEPRS *	1689.3	.9	1.1	3167.2	17.054	1.0803	

* - indicates an adjacent channel station.

Point: KPTK Frequency: 1090 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
XEPRS	1724.3	346.4	.9	4936.1	16.716	16.5020	16.5020
CKRX	749.1	255.2	9.2	349.8	51.101	3.5747	
KFXJ-L *	204.3	1.3	34.7	528.9	282.970	2.9931	
KAAY	2879.7	308.8	.0	2121.5	4.562	1.9357	

* - indicates an adjacent channel station.

Point: KWAJ Frequency: 1080 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSCO	3864.5	253.3	.0	1417.7	5.769	1.6357	1.6357
KRLD	6112.3	274.3	.0	4170.3	1.956	1.6311	2.3099
KFXJ-P	4191.9	241.9	.0	1618.2	4.150	1.3431	2.6720
KUDO	4470.8	191.5	.0	1066.3	2.975	.6344	
KCNM	5968.0	285.5	.0	686.7	4.129	.5671	
YSEM	7279.2	287.5	.0	978.6	1.934	.3785	

Point: KWAJ Frequency: 1080 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KSCO	3864.0	253.4	.0	1417.3	5.767	1.6348	1.6348
KRLD	6112.4	274.3	.0	4170.2	1.954	1.6295	2.3082
KWAJ	3.7	333.0	88.5	13.0	521.112	1.3522	2.6751
KFXJ-P	4190.6	241.9	.0	1618.4	4.150	1.3433	2.9934
KUDO	4467.7	191.6	.0	1066.3	2.978	.6350	
KCNM	5966.1	285.6	.0	686.7	4.131	.5673	
YSEM	7280.6	287.5	.0	978.6	1.932	.3781	

Point: KVNI Frequency: 1080 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
KRLD	2349.2	320.1	.0	3376.7	7.845	5.2978	5.2978
KFXJ-P	496.0	60.5	15.1	96.7	106.588	2.0616	5.6848
KNX *	1535.5	4.6	1.9	2814.2	19.930	1.1217	
CKSA	783.2	220.0	8.6	139.0	39.981	1.1111	
XEPRS *	1689.3	.9	1.1	3167.2	17.054	1.0803	

* - indicates an adjacent channel station.

Point: KPTK Frequency: 1090 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
XEPRS	1724.3	346.4	.9	4936.1	16.716	16.5020	16.5020
CKRX	749.1	255.2	9.2	349.8	51.101	3.5747	
KFXJ-P *	204.1	1.2	34.7	491.3	283.099	2.7816	
KAAY	2879.7	308.8	.0	2121.5	4.562	1.9357	

* - indicates an adjacent channel station.

Hatfield & Dawson Consulting Engineers

Exhibit 16-2
RSS Calculations for Proposed Operation
KFXX-AM Portland, OR

Station Information:

Call: KFXX
Freq: 1080 kHz
PORTLAND, OR, US
Hours: N
Lat: 45-33-30 N
Lng: 122-28-57 W

Standard: FCC Rules (1992 Skywave Propagation Model)

Contributors:

Call	Freq (kHz)	City	St	Ct	Limit (mV/m)	(%)	RSS Limit (mV/m)
KRLD	1080	DALLAS	TX	US	4.939	100.0	4.939
KPTK	1090	SEATTLE	WA	US	3.432	69.5	<u>6.014</u> *
XEPRS/A	1090	ROSARITO	BN	MX	2.196	36.5	6.403
KNX	1070	LOS ANGELES	CA	US	1.485	23.2	6.573
KSCO	1080	SANTA CRUZ	CA	US	1.192	18.1	6.680
KVNI	1080	COEUR D'ALENE	ID	US	0.952	14.3	6.747

* Calculated Nighttime Interference-free Threshold

KFXX

Freq: 1080 kHz

Class: B

Latitude: 45-33-30 N

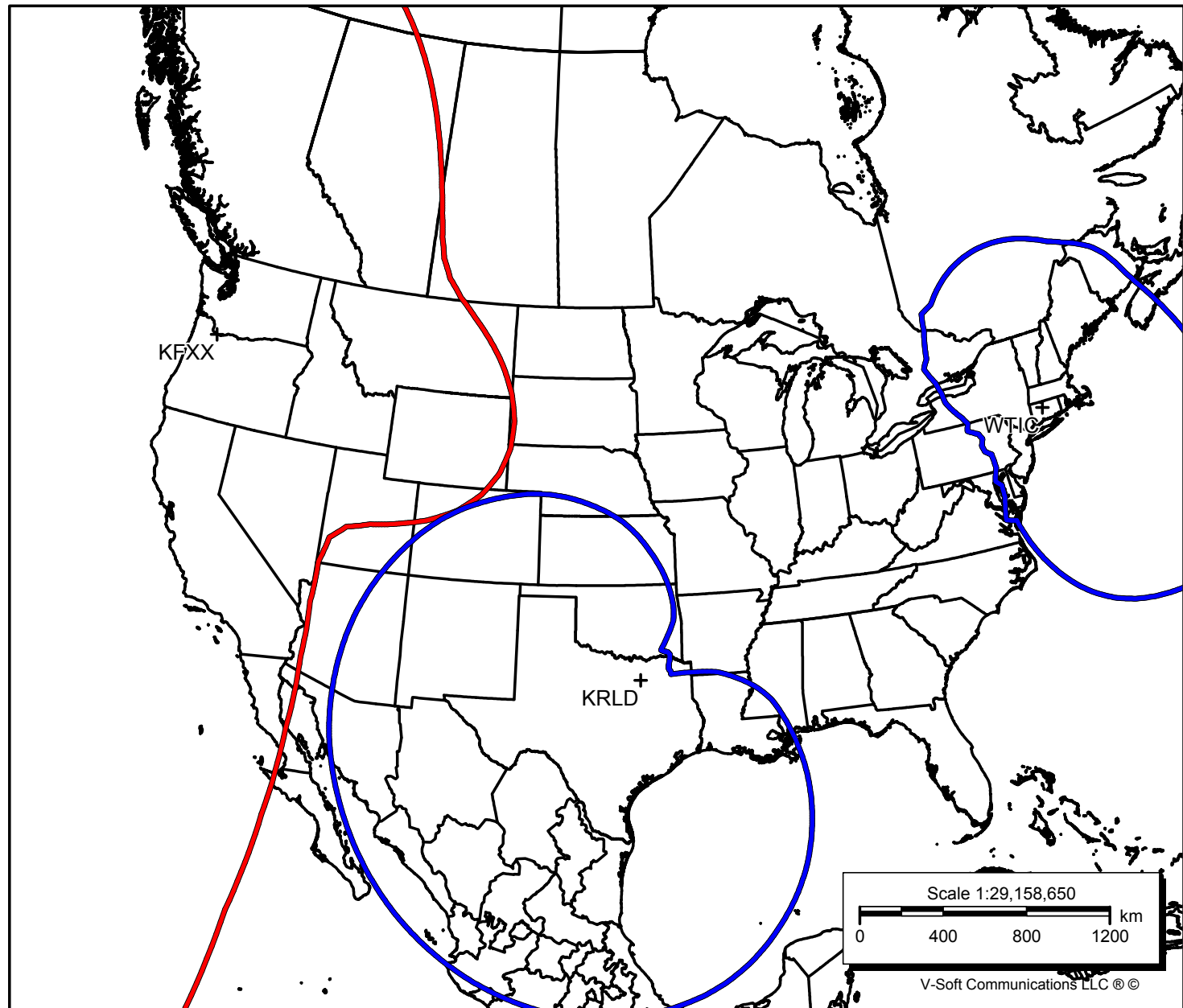
Longitude: 122-28-57 W

Power: 8.7 kW

RMS: 966.028 mV/m @1km

Towers: 3

AUs: 0



KFXX

Freq: 1080 kHz

Class: B

Latitude: 45-33-30 N

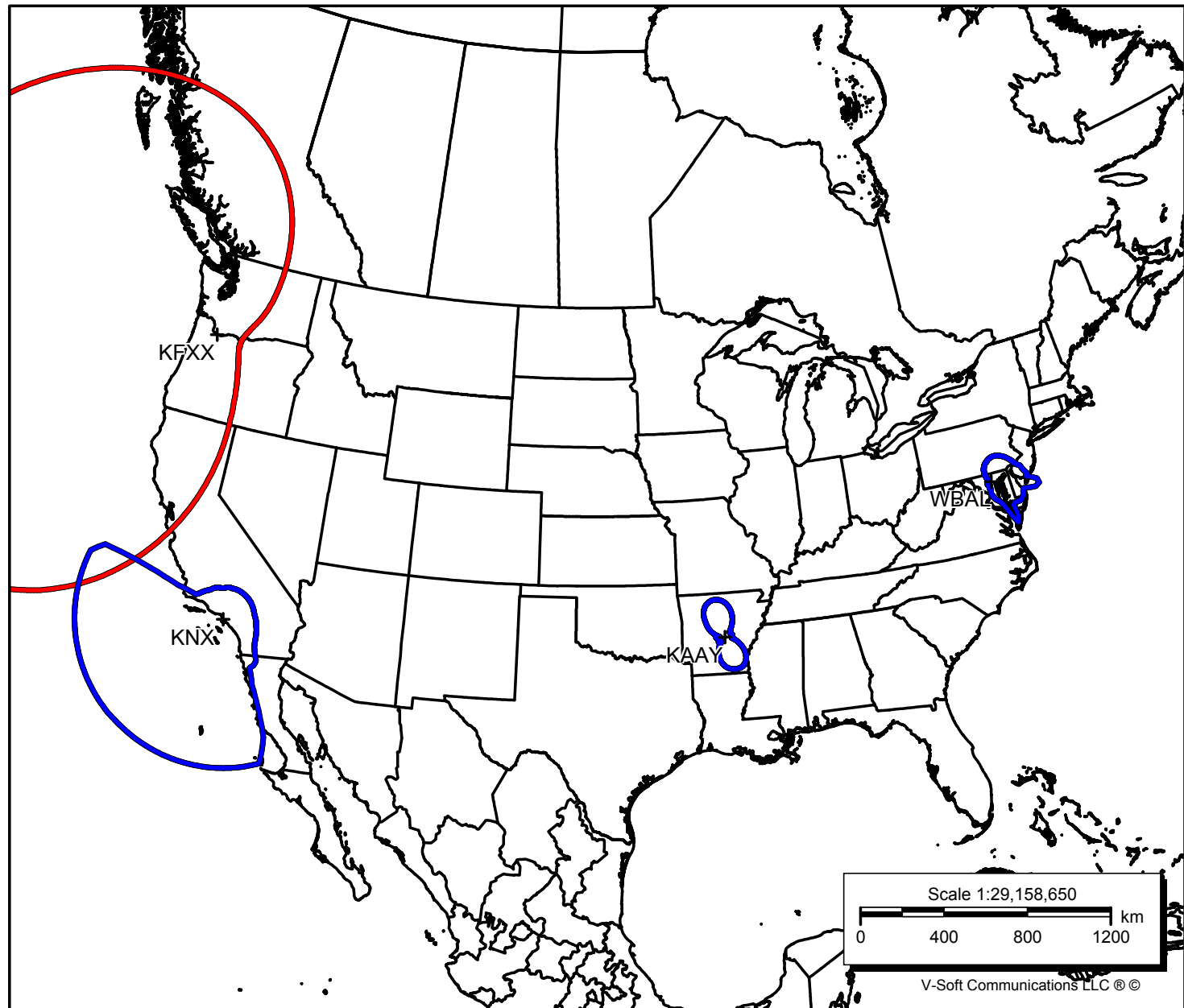
Longitude: 122-28-57 W

Power: 8.7 kW

RMS: 966.028 mV/m @1km

Towers: 3

AUs: 0



KUDO

Freq: 1080 kHz

Class: A

Latitude: 61-07-12 N

Longitude: 149-53-43 W

Power: 10 kW

RMS: 337.2 mV/m @1km

Towers: 1

AUs: 0

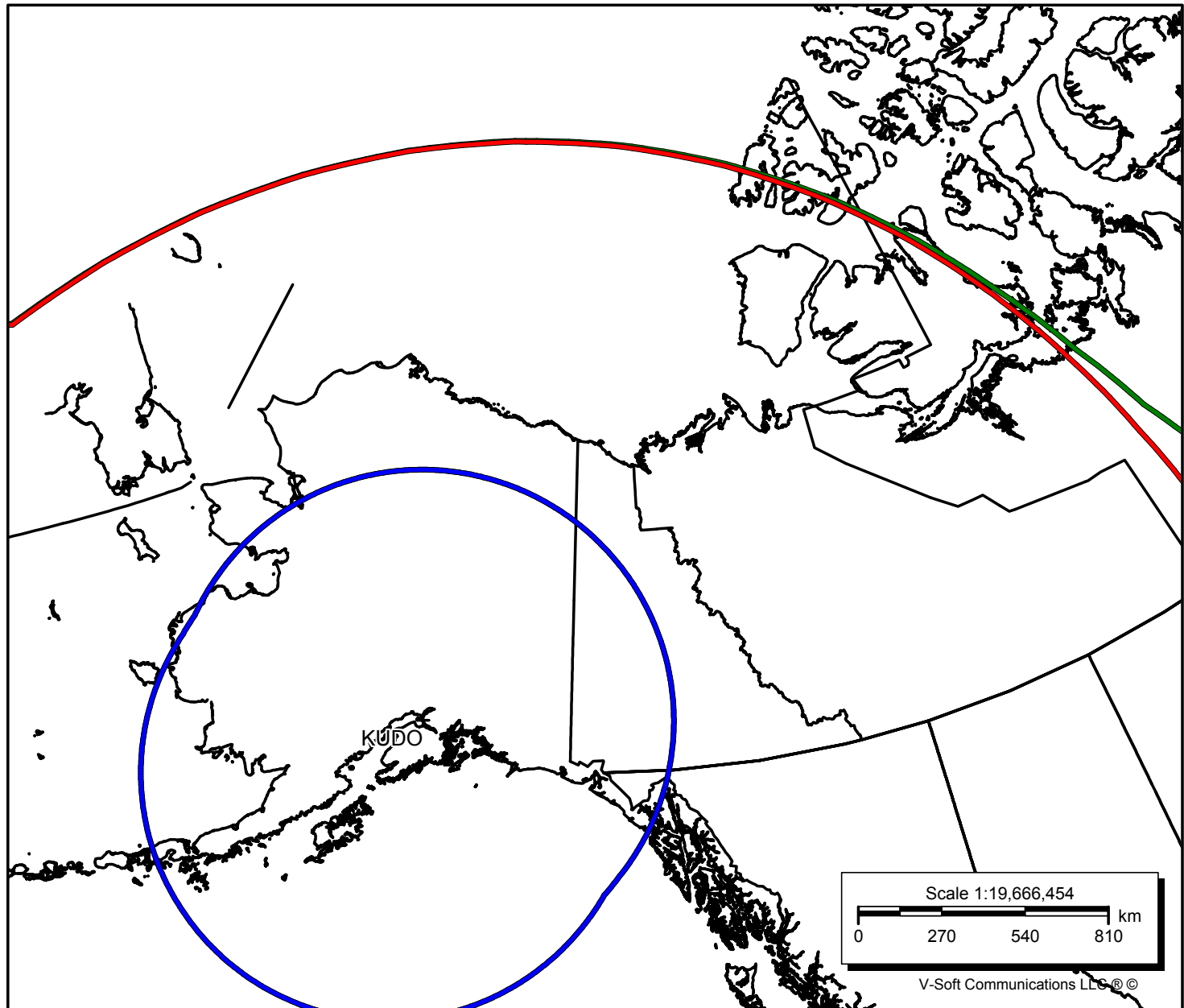


Exhibit 16-3
Clipping Study
KFXX-AM Portland, OR

Point	Latitude	Longitude	Distance (km)	Bearing (degs.)	KFXX Lic Field Strength	KFXX Prop Field Strength	Prop/Lic
					10% time (mV/m)	10% time (mV/m)	
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KUDO	61.12	149.8953	2476.6	324.1	0.045	0.045	1.00
KUDO-0	68.3903	149.8953	2978.1	337.9	0.014	0.014	1.00
KUDO-5	68.3544	148.1817	2926.1	338.9	0.015	0.015	1.00
KUDO-10	68.2467	146.4958	2870.8	339.7	0.015	0.015	1.00
KUDO-15	68.0692	144.8636	2812.5	340.6	0.016	0.016	1.00
KUDO-20	67.825	143.3094	2751.5	341.3	0.017	0.017	1.00
KUDO-25	67.5178	141.8536	2687.9	342	0.018	0.018	1.00
KUDO-30	67.1519	140.5133	2622.3	342.5	0.019	0.019	1.00
KUDO-35	66.7333	139.3019	2554.8	343	0.021	0.021	1.00
KUDO-40	66.2672	138.2286	2486	343.3	0.022	0.022	1.00
KUDO-45	65.7597	137.298	2416.2	343.5	0.024	0.024	1.00
KUDO-50	65.2167	136.5136	2345.9	343.6	0.026	0.026	1.00
KUDO-55	64.6444	135.8745	2275.5	343.5	0.029	0.029	1.00
KUDO-60	64.0492	135.3778	2205.8	343.3	0.034	0.034	1.00
KUDO-65	63.4361	135.0194	2137.2	342.9	0.039	0.039	1.00
KUDO-70	62.8111	134.7939	2070.4	342.2	0.045	0.045	1.00
KUDO-75	62.1794	134.6947	2006.1	341.4	0.052	0.052	1.00
KUDO-80	61.5464	134.7147	1945.1	340.4	0.06	0.06	1.00
KUDO-85	60.9164	134.8469	1888.1	339.1	0.069	0.069	1.00
KUDO-90	60.2939	135.0839	1836	337.7	0.079	0.078	0.99
KUDO-95	59.6831	135.4181	1789.6	336	0.089	0.089	1.00
KUDO-100	59.0881	135.8425	1749.7	334.1	0.101	0.1	0.99
KUDO-105	58.5119	136.3497	1717	332	0.112	0.112	1.00
KUDO-110	57.9586	136.9336	1692.3	329.7	0.123	0.123	1.00
KUDO-115	57.4308	137.5869	1676	327.4	0.134	0.133	0.99
KUDO-120	56.9311	138.3039	1668.5	324.9	0.142	0.142	1.00
KUDO-125	56.4417	139.0392	1666.7	322.5	0.15	0.15	1.00
KUDO-130	55.8844	139.6797	1659.7	319.9	0.16	0.159	0.99
KUDO-135	55.3467	140.4025	1662.6	317.3	0.167	0.166	0.99
KUDO-140	54.8336	141.205	1676	314.7	0.171	0.17	0.99
KUDO-145	54.3525	142.085	1700.1	312.2	0.172	0.171	0.99
KUDO-150	53.9067	143.0356	1734.6	309.7	0.17	0.169	0.99
KUDO-155	53.5014	144.0514	1779.2	307.5	0.166	0.165	0.99
KUDO-160	53.1458	145.1294	1833.4	305.6	0.16	0.159	0.99
KUDO-165	52.8425	146.2606	1895.9	303.9	0.151	0.151	1.00
KUDO-170	52.5961	147.4375	1965.7	302.5	0.142	0.142	1.00
KUDO-175	52.4142	148.6522	2041.6	301.4	0.133	0.132	0.99
KUDO-180	52.2933	149.8953	2122.2	300.6	0.123	0.122	0.99
KUDO-185	52.2433	151.1575	2206.1	300.1	0.114	0.113	0.99

KUDO-190	52.2631	152.4289	2292.2	299.8	0.104	0.104	1.00
KUDO-195	52.3564	153.6983	2379.1	299.8	0.096	0.095	0.99
KUDO-200	52.5167	154.9572	2465.7	300.1	0.088	0.087	0.99
KUDO-205	52.75	156.1919	2551	300.5	0.08	0.08	1.00
KUDO-210	53.0508	157.3936	2633.9	301.1	0.073	0.073	1.00
KUDO-215	53.42	158.5483	2713.5	301.9	0.067	0.066	0.99
KUDO-220	53.8497	159.6478	2789.2	302.8	0.061	0.061	1.00
KUDO-225	54.3356	160.6817	2860.2	303.8	0.056	0.055	0.98
KUDO-230	54.8722	161.6403	2926.1	305	0.051	0.051	1.00
KUDO-235	55.4533	162.5142	2986.5	306.2	0.046	0.046	1.00
KUDO-240	56.0753	163.2894	3040.8	307.5	0.042	0.042	1.00
KUDO-245	56.7275	163.9628	3088.9	308.8	0.039	0.039	1.00
KUDO-250	57.4033	164.5264	3130.8	310.1	0.036	0.035	0.97
KUDO-255	58.0947	164.9742	3166.5	311.5	0.033	0.032	0.97
KUDO-260	58.7961	165.2956	3195.6	312.9	0.03	0.03	1.00
KUDO-265	59.4981	165.4914	3218.6	314.3	0.028	0.027	0.96
KUDO-270	60.1939	165.5597	3235.8	315.7	0.025	0.025	1.00
KUDO-275	60.8764	165.4995	3247.2	317.1	0.024	0.023	0.96
KUDO-280	61.5397	165.31	3253.3	318.5	0.022	0.022	1.00
KUDO-285	62.1794	165.0958	3259.4	319.8	0.02	0.02	1.00
KUDO-290	62.8111	164.9967	3272.7	321.1	0.019	0.019	1.00
KUDO-295	63.4361	164.7711	3281.4	322.4	0.017	0.017	1.00
KUDO-300	64.0492	164.4128	3285.4	323.6	0.016	0.016	1.00
KUDO-305	64.6444	163.9161	3284.6	324.9	0.015	0.015	1.00
KUDO-310	65.2167	163.2769	3279.1	326.2	0.014	0.014	1.00
KUDO-315	65.7597	162.4922	3268.9	327.5	0.013	0.013	1.00
KUDO-320	66.2672	161.562	3254	328.7	0.012	0.012	1.00
KUDO-325	66.7333	160.4886	3234.6	330	0.012	0.012	1.00
KUDO-330	67.1519	159.2772	3210.6	331.2	0.012	0.012	1.00
KUDO-335	67.5178	157.937	3182.2	332.4	0.013	0.013	1.00
KUDO-340	67.825	156.4811	3149.4	333.6	0.013	0.013	1.00
KUDO-345	68.0692	154.9269	3112.5	334.7	0.013	0.013	1.00
KUDO-350	68.2467	153.2947	3071.5	335.8	0.013	0.013	1.00
KUDO-355	68.3544	151.6086	3026.7	336.9	0.014	0.014	1.00