

Exhibit 15-1  
Limits to Proposed Nighttime Operation  
(Limits Above 5,000 mV/m Removed)

City: SEATTLE , WA

Call: KJR 1992 Allocation Rules

Transmitter site coordinates: N 47 26 0 W 122 28 2

Frequency: 950 kHz

Point	Distance (km)	Bearing (degs)	Theta Min. (degs)	Theta Max. (degs)	RSS Limit (mV/m)	Reqd. Prot. (mV/m)	Skywv. Mlt. (uV/m)	Allowed Radiation (mV/m @ 1 km)
CFAM	1816.4	75.3	1.9	1.9	13.40	6.70	14.17	2362.7
XEPB	2267.9	150.1	.0	.0	10.03	4.83	7.31	3299.0
KSWD	2231.3	318.9	.0	1.1	.69	.55	3.92	705.4
KFSA	2666.8	109.8	.0	.0	11.26	2.78	5.40	2570.0
KAHI	960.5	172.5	6.4	11.8	13.87	7.29	43.01	847.1
KKFN	1636.3	114.5	1.3	4.6	3.98	1.20	14.63	409.9
KOEL	2442.4	91.2	.0	.1	11.73	2.93	4.69	3125.1
KOZE	428.5	103.7	17.6	28.2	11.00	9.54	128.96	370.1
VWJ	3122.0	86.5	.0	.0	4.87	1.22	2.21	2753.6
KDOW	2242.1	86.5	.0	1.0	10.98	2.75	5.28	2602.0
KWOS	2634.7	100.9	.0	.0	13.90	3.47	4.77	3639.8
KMTX	795.4	92.2	8.5	14.9	9.56	6.63	49.20	673.3
WSPA	3608.6	97.6	.0	.0	6.95	1.74	2.22	3906.3
KWAT	1964.5	89.0	.0	2.5	8.05	2.01	7.60	1323.8
KKLF	2650.1	115.8	.0	.0	12.87	3.22	5.95	2706.0
KPRC	3041.2	120.4	.0	.0	6.93	1.73	4.89	1771.6
KJTV	2314.0	124.3	.0	.7	10.92	2.67	8.36	1599.1
KCTK *	1761.3	146.4	.7	3.8	5.60	14.00	15.34	4563.0
KABL *	1068.0	179.3	5.3	10.2	4.83	12.07	36.67	1646.2
KKJX *	589.6	173.4	12.4	20.7	8.60	21.51	88.45	1215.9
KOVO *	1178.9	129.0	4.3	8.8	5.46	13.66	28.32	2412.1
KALE *	282.9	116.7	26.3	39.5	5.81	14.53	210.61	345.0

\* - indicates an adjacent channel station.

# KJR (AM) Seattle Exhibit 15-2 Site to Site RSS Calculations

## KJR Licensed

Point: KSWD		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
KJR-L	2224.0	318.6	.0	786.6	3.902	.6139	.6139
KAHI	3075.9	329.4	.0	399.6	2.740	.2189	.6518
KMTX	2834.0	315.4	.0	696.4	1.562	.2176	.6871
CFAC	* 2413.8	308.5	.0	3766.3	2.220	.1672	
KWRU	* 3378.8	330.5	.0	3103.9	2.354	.1461	
YSGH	7133.0	331.0	.0	1157.9	.502	.1163	

\* - indicates an adjacent channel station.

Point: KAH1		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
KWRU *	303.0	330.9	24.7	2510.8	212.217	10.6568	10.6568
KJR-L	976.0	173.2	6.2	969.2	41.767	8.0957	13.3831
KOZE	898.8	202.7	7.1	380.6	48.056	3.6582	13.8741
KKFN	1386.1	270.5	2.8	452.5	24.278	2.1971	
KMTX	1136.9	223.4	9.3	262.0	31.589	1.6550	
KABL *	160.3	44.0	41.5	217.7	339.883	1.4801	

\* - indicates an adjacent channel station.

## KJR Proposed

Point: KSWD		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
KJR-A	2231.3	318.9	.0	935.2	3.917	.7325	.7325
KAHI	3075.9	329.4	.0	399.6	2.740	.2189	.7645
KMTX	2834.0	315.4	.0	696.4	1.562	.2176	.7949
CFAC *	2413.8	308.5	.0	3766.3	2.220	.1672	
KWRU *	3378.8	330.5	.0	3103.9	2.354	.1461	
YSGH	7133.0	331.0	.0	1157.9	.502	.1163	

\* - indicates an adjacent channel station.

Point: KAH1		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
KWRU *	303.0	330.9	24.7	2510.8	212.217	10.6568	10.6568
KJR-A	960.5	172.5	11.8	540.0	43.007	4.6446	11.6249
KOZE	898.8	202.7	7.1	380.6	48.056	3.6582	12.1869
KKFN	1386.1	270.5	2.8	452.5	24.278	2.1971	
KMTX	1136.9	223.4	9.3	262.0	31.589	1.6550	
KABL *	160.3	44.0	41.5	217.7	339.883	1.4801	

\* - indicates an adjacent channel station.

KJR Licensed

Point: KKFN		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
WSPA	2091.2	291.9	.0	912.2	10.679	1.9484	1.9484
KPRC	1422.7	324.5	2.6	360.8	25.066	1.8086	2.6584
YSGH	3360.5	333.9	.0	1157.9	6.491	1.5033	3.0540
KIXZ	* 594.7	332.9	12.3	659.2	94.385	1.2444	3.2978
WVTS	2003.7	282.0	.0	568.4	10.630	1.2084	3.5123
<b>KJR-L</b>	<b>1636.1</b>	<b>115.2</b>	<b>1.3</b>	<b>411.7</b>	<b>14.561</b>	<b>1.1990</b>	<b>3.7113</b>
TGAF	3106.3	337.6	.0	692.0	7.483	1.0356	3.8531
KAHI	1386.1	80.2	2.8	209.2	24.278	1.0156	3.9847
KNEB	* 244.7	206.9	29.9	194.1	252.208	.9791	
XEZE	2009.8	.7	.0	304.3	15.080	.9179	
KFSA	1044.1	301.3	10.5	115.0	39.529	.9090	

\* - indicates an adjacent channel station.

Point: KOZE		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
KJR-L	425.1	106.2	17.7	407.9	129.978	10.6046	10.6046
KMTX	384.9	267.1	31.0	100.8	145.838	2.9396	11.0045
KKFN	1218.0	310.5	8.3	287.4	26.257	1.5092	
KWAT	1553.8	283.3	1.8	370.3	13.203	.9779	
KALE *	165.6	83.5	40.6	136.9	322.312	.8826	

\* - indicates an adjacent channel station.

Point: KMTX		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
KJR-L	788.4	93.5	8.6	739.7	49.758	7.3616	7.3616
KKFN	948.0	325.2	12.0	573.6	40.370	4.6309	8.6970
KOZE	384.9	83.5	19.6	136.2	145.838	3.9730	9.5615
KWAT	1171.3	285.1	4.4	379.0	22.977	1.7419	
WSPA	2817.6	306.7	.0	888.7	4.382	.7788	
YSGH	4308.4	333.7	.0	1157.9	3.299	.7640	

\* - indicates an adjacent channel station.

KJR Proposed

Point: KKFN		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
WSPA	2091.2	291.9	.0	912.2	10.679	1.9484	1.9484
KPRC	1422.7	324.5	2.6	360.8	25.066	1.8086	2.6584
YSGH	3360.5	333.9	.0	1157.9	6.491	1.5033	3.0540
KIXZ	* 594.7	332.9	12.3	659.2	94.385	1.2444	3.2978
WTS	2003.7	282.0	.0	568.4	10.630	1.2084	3.5123
KJR-A	1636.3	114.5	1.3	377.4	14.628	1.1042	3.6817
TGAF	3106.3	337.6	.0	692.0	7.483	1.0356	3.8246
KAHI	1386.1	80.2	2.8	209.2	24.278	1.0156	3.9572
KNEB	* 244.7	206.9	29.9	194.1	252.208	.9791	
XEZE	2009.8	.7	.0	304.3	15.080	.9179	
KFSA	1044.1	301.3	10.5	115.0	39.529	.9090	

\* - indicates an adjacent channel station.

Point: KOZE		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
KJR-A	428.5	103.7	28.2	357.7	128.958	9.2269	9.2269
KMTX	384.9	267.1	31.0	100.8	145.838	2.9396	9.6838
KKFN	1218.0	310.5	8.3	287.4	26.257	1.5092	
KWAT	1553.8	283.3	1.8	370.3	13.203	.9779	
KALE *	165.6	83.5	40.6	136.9	322.312	.8826	

\* - indicates an adjacent channel station.

Point: KMTX		Frequency: 950 kHz					
Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
KKFN	948.0	325.2	12.0	573.6	40.370	4.6309	4.6309
KJR-A	795.4	92.2	14.9	447.9	49.205	4.4074	6.3929
KOZE	384.9	83.5	19.6	136.2	145.838	3.9730	7.5269
KWAT	1171.3	285.1	4.4	379.0	22.977	1.7419	
WSPA	2817.6	306.7	.0	888.7	4.382	.7788	
YSGH	4308.4	333.7	.0	1157.9	3.299	.7640	

\* - indicates an adjacent channel station.

## KJR Licensed

Point: KKJX      Frequency: 960 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
KABL	485.1	6.5	15.4	305.6	124.310	7.5970	7.5970
KOVO	862.1	287.8	7.5	306.8	52.626	3.2295	8.2550
KUFO *	382.8	166.5	19.7	760.6	159.486	2.4260	8.6041
CFAC	1147.3	214.2	4.6	303.1	26.372	1.5987	
KCTK	1264.2	320.9	3.6	263.2	30.228	1.5914	
<b>KJR-L *</b>	<b>605.3</b>	<b>174.4</b>	<b>12.0</b>	<b>908.5</b>	<b>84.940</b>	<b>1.5433</b>	

\* - indicates an adjacent channel station.

## KJR Proposed

Point: KALE      Frequency: 960 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
CFAC	657.3	218.7	10.9	317.1	62.771	3.9809	3.9809
KOVO	904.5	320.3	7.0	316.0	45.646	2.8848	4.9163
KABL	970.5	14.4	6.2	280.2	43.427	2.4333	5.4855
KKJX	494.5	22.6	15.1	84.4	113.988	1.9244	5.8133
<b>KJR-A *</b>	<b>282.9</b>	<b>116.7</b>	<b>39.5</b>	<b>338.2</b>	<b>210.606</b>	<b>1.4245</b>	
KUFO *	286.6	72.3	26.0	282.7	211.573	1.1961	
KGKL	2296.7	320.9	.0	512.0	9.130	.9348	

\* - indicates an adjacent channel station.

Exhibit 15-3  
RSS Calculations for Proposed Operation

Point: KJR                      Frequency: 950 kHz

Station Call		Distance (km)	Bearing (deg.)	Theta (deg.)	Radiation (mW/m)	SW Mlt. (uV/m)	IF Level (mW/m)	RSS (mW/m)
CJIB	*	380.3	217.9	19.9	679.7	142.466	1.9367	1.9367
KALE	*	283.9	302.8	26.2	456.4	209.480	1.9122	2.7216 †
KKJX	*	605.3	354.9	12.0	667.0	84.940	1.1332	2.9481
CFAC	*	724.3	241.8	9.6	1031.5	52.112	1.0751	3.1380
KOZE		425.1	290.1	28.4	33.4	129.978	.8693	3.2562
KAHI		976.0	354.1	6.2	99.6	41.767	.8320	3.3608
KVRU	*	1258.4	349.5	3.7	1442.2	27.827	.8027	
KKFN		1636.1	307.3	1.3	273.5	14.561	.7964	
KWAT		1956.4	287.9	.0	393.3	7.612	.5987	

\* - indicates an adjacent channel station.

† - indicates calculated nighttime interference free threshold