

KEX  
Exhibit 15  
Nighttime Limits Across Span of Proposed Augmentation

City: PORTLAND , OR

Call: KEX 1992 Allocation Rules

Transmitter site coordinates: N 45 25 20 W 122 33 57

Frequency: 1190 kHz

Point		Distance (km)	Bearing (degs)	Theta		RSS Limit (mV/m)	Reqd. Prot. (mV/m)	Skywv. Mlt. (uV/m)	Allowed Radiation (mV/m @ 1 km)
				Min. (degs)	Max. (degs)				
KXLO	*	1026.9	75	5.7	10.8	7.71	18.79	32.16	2921.7
WKOX	*	4063.2	76.1	0	0	16.46	41.16	0.87	236413
KFNW	*	1976.6	76.3	0	2.4	9.6	23.99	7.55	15886.4
CARNEY	*	2709.1	77	0	0	24.91	62.29	3.23	96379.7
WTLA	*	3652.5	77	0	0	19.95	49.64	1.29	192201.1
BAXTER	*	2177.9	77.4	0	1.3	9.74	24.34	5.97	20391
BAXTER	*	2177.6	77.4	0	1.3	9.73	24.33	5.97	20374.4
WHAM	*	3533.9	77.9	0	0	10.2	25.51	1.49	85683.4
KINGSTO	*	3869	78.1	0	0	23.78	59.45	1.13	262575.1

\* - indicates an adjacent channel station.