

# Channel-Six TV Protection Study

KOIN LI 06+ 2C Dom Int 100.000 kW 491 M HAAT VHY  
Portland OR 568.5 M COR AMSL  
Lat= 45 30 58.0, Lng= 122 43 58.0  
Nvt Portland Licensee, Llc BLCT20041216ADG  
Fac ID# 35380  
Dist.=152.89 km, Azi=25.7°, Rev Azi=206.3°

Direct line HAAT Grade B, 47 dBu= 119.66 km & Grade A= 66.45 km

Distance from reference to Grade B = 33.23 km

Cutoff Dist from Full Service or Class CA= 246

Maximum Co-located power= 3.1 kW

KOIN Signal Contour at Reference location = 37.4 dBu

CH. 203, U/D ratio = 6.5 dB, Maximum FM signal = 53.5 dBu , add 6 dB if within angle.

## TV/FM D to U values

47.0	53.5		55.0	58.2		63.0	63.3		71.0	69.4		79.0	76.2		87.0	83.4
48.0	54.1		56.0	58.8		64.0	63.9		72.0	70.2		80.0	77.1		88.0	84.3
49.0	54.6		57.0	59.4		65.0	64.6		73.0	71.1		81.0	78.0		89.0	85.2
50.0	55.2		58.0	60.0		66.0	65.4		74.0	71.9		82.0	78.9		90.0	86.1
51.0	55.8		59.0	60.6		67.0	66.1		75.0	72.8		83.0	79.8		91.0	86.1
52.0	56.4		60.0	61.3		68.0	66.9		76.0	73.6		84.0	80.7		92.0	86.1
53.0	57.0		61.0	61.9		69.0	67.7		77.0	74.5		85.0	81.6		93.0	86.1
54.0	57.6		62.0	62.6		70.0	68.6		78.0	75.4		86.0	82.5		94.0	86.1

