

Exhibit 17-1
Site to Site RSS Calculations
KRPI-AM Point Roberts WA

Call: KKOV
Freq: 1550 kHz
VANCOUVER, WA, US
Hours: N
Lat: 45-38-47 N
Lng: 122-30-51 W
Power: 12.0 kW
Theo RMS: 1217.00 mV/m @ 1km @ 12.0 kW

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Contributors:

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	RSS	
							Min (deg)	Max (deg)			Limit (mV/m)	Limit (%)
KZDG	1550	SAN FRANCISCO	CA	US	902.6	358.8	7.0	12.8	1467.18	49.76	14.601	100.0
KRPI-LIC1550	1550	FERNDALE	WA	US	355.5	178.9	21.2	33.1	251.91	163.77	8.251	56.5
KXEX	1550	FRESNO	CA	US	1010.2	348.5	5.8	11.0	641.66	41.58	5.336	31.8
KXPA	1540	BELLEVUE	WA	US	217.7	186.8	33.0	47.2	460.26	268.84	2.475	14.1

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	RSS	
							Min (deg)	Max (deg)			Limit (mV/m)	Limit (%)
KZDG	1550	SAN FRANCISCO	CA	US	902.6	358.8	7.0	12.8	1467.18	49.76	14.601	100.0
KRPI-PRO1550	1550	PT ROBERTS	WA	US	375.0	173.4	20.1	31.7	226.02	153.45	6.937	47.5
KXEX	1550	FRESNO	CA	US	1010.2	348.5	5.8	11.0	641.66	41.58	5.336	33.0
KXPA	1540	BELLEVUE	WA	US	217.7	186.8	33.0	47.2	460.26	268.84	2.475	14.5

Call: KMRI
 Freq: 1550 kHz
 WEST VALLEY CITY, UT, US
 Hours: N
 Lat: 40-43-16 N
 Lng: 112-02-29 W
 Power: 0.34 kW
 Theo RMS: 341.18 mV/m @ 1km @ 1kW

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Contributors:

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit		RSS Limit (mV/m)
							Min (deg)	Max (deg)			(mV/m)	(%)	
KXEX	1550	FRESNO	CA	US	811.8	54.8	8.2	14.6	368.55	60.60	4.466	100.0	4.466
KZDG	1550	SAN FRANCISCO	CA	US	950.5	64.9	6.5	12.0	466.50	47.22	4.406	98.6	6.274
KWRN	1550	APPLE VALLEY	CA	US	821.6	31.7	8.1	14.4	301.54	60.33	3.638	58.0	7.253
KRPI-LIC1550	1550	FERNDAL	WA	US	1226.5	133.5	3.9	8.3	607.13	25.23	3.064	42.2	7.873
KKOV	1550	VANCOUVER	WA	US	1009.0	119.1	5.8	11.0	380.91	38.32	2.919	37.1	8.397
XEBG/A	1550	TIJUANA	BN	MX	1014.5	24.5	5.8	11.0	321.79	44.19	2.844	33.9	8.865
KGCQ	1550	GOLDEN	CO	US	588.0	283.0	12.4	20.8	137.44	93.11	2.559	28.9	9.227
XERUV/A	1550	JALAPA	VC	MX	2758.0	331.9	0.0	0.0	1131.21	8.52	1.927	20.9	9.426
KESJ	1550	ST. JOSEPH	MO	US	1462.6	279.5	2.3	6.0	423.30	20.10	1.701	18.0	9.579
XERUV/A	1550	ACAJETE	VC	MX	2749.9	332.0	0.0	0.0	983.10	8.56	1.683	17.6	9.726
KZRK	1550	CANYON	TX	US	1090.2	308.8	5.1	9.9	146.63	37.48	1.099	11.3	9.787
KXEL	1540	WATERLOO	IA	US	1648.5	271.0	1.3	4.5	3576.60	14.83	1.061	10.8	9.845

Hatfield & Dawson Consulting Engineers

Call: KMRI
 Freq: 1550 kHz
 WEST VALLEY CITY, UT, US
 Hours: N
 Lat: 40-43-16 N
 Lng: 112-02-29 W
 Power: 0.34 kW
 Theo RMS: 341.18 mV/m @ 1km @ 1kW

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Contributors:

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit		RSS Limit (mV/m)
							Min (deg)	Max (deg)			(mV/m)	(%)	
KXEX	1550	FRESNO	CA	US	811.8	54.8	8.2	14.6	368.55	60.60	4.466	100.0	4.466
KZDG	1550	SAN FRANCISCO	CA	US	950.5	64.9	6.5	12.0	466.50	47.22	4.406	98.6	6.274
KWRN	1550	APPLE VALLEY	CA	US	821.6	31.7	8.1	14.4	301.54	60.33	3.638	58.0	7.253
KKOV	1550	VANCOUVER	WA	US	1009.0	119.1	5.8	11.0	380.91	38.32	2.919	40.3	7.818
XEBG/A	1550	TIJUANA	BN	MX	1014.5	24.5	5.8	11.0	321.79	44.19	2.844	36.4	8.319
KGCQ	1550	GOLDEN	CO	US	588.0	283.0	12.4	20.8	137.44	93.11	2.559	30.8	8.704
KRPI-PRO1550	PT ROBERTS	WA	US		1263.2	132.6	3.7	7.9	537.34	23.81	2.559	29.4	9.072
XERUV/A	1550	JALAPA	VC	MX	2758.0	331.9	0.0	0.0	1131.21	8.52	1.927	21.2	9.275
KESJ	1550	ST. JOSEPH	MO	US	1462.6	279.5	2.3	6.0	423.30	20.10	1.701	18.3	9.429
XERUV/A	1550	ACAJETE	VC	MX	2749.9	332.0	0.0	0.0	983.10	8.56	1.683	17.9	9.578
KZRK	1550	CANYON	TX	US	1090.2	308.8	5.1	9.9	146.63	37.48	1.099	11.5	9.641
KXEL	1540	WATERLOO	IA	US	1648.5	271.0	1.3	4.5	3576.60	14.83	1.061	11.0	9.700

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Exhibit 17-2
RSS Calculations for Proposed Operation
KRPI-AM Point Roberts WA

Call: KRPI
 Freq: 1550 kHz
 PT ROBERTS, WA, US
 Hours: N
 Lat: 48-59-54 N
 Lng: 123-04-08 W
 Power: 50.0 kW
 Theo RMS: 2155.39 mV/m @ 1km @ 50.0 kW

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Contributors:

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS
							Min (deg)	Max (deg)					Limit (mV/m)
KKOV	1550	VANCOUVER	WA	US	375.0	353.8	20.1	31.7	1221.49	153.45	37.488	100.0	<u>37.488</u> *
KZDG	1550	SAN FRANCISCO	CA	US	1276.6	357.4	3.6	7.7	1497.56	26.30	7.877	21.0	38.306
KXPA	1540	BELLEVUE	WA	US	169.6	337.6	39.9	54.2	619.89	312.16	3.870	10.1	38.501

* Calculated Nighttime Interference-free threshold

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