

# WPET-AM

## Exhibit 15-1

### Site to Site RSS Calculations

#### WPET Licensed

Point: WORD Frequency: 950 kHz

Station Call	Distance (km)	Bearing (deg.s.)	Theta (deg.s.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
WWJ	790.5	171.7	8.5	259.2	58.509	3.0328	3.0328
<b>WPET-L</b>	<b>230.9</b>	<b>239.9</b>	<b>31.4</b>	<b>49.3</b>	<b>268.723</b>	<b>2.6469</b>	<b>4.0254</b>
KPRC	1372.2	61.8	2.9	468.4	27.382	2.5653	4.7733
WPEN	815.1	227.2	8.2	200.8	56.783	2.2804	5.2901
WFIR *	312.1	216.3	35.9	551.5	204.506	2.2559	5.7510
WTS	379.9	183.8	19.9	63.4	164.798	2.0899	6.1190
KWOS	988.8	110.4	6.1	240.4	42.904	2.0627	6.4573
WTD	884.9	145.0	13.1	184.4	49.209	1.8144	6.7074
KKFN	2091.2	97.8	.0	769.3	10.679	1.6431	
CKBB	1055.3	191.5	5.4	213.6	34.673	1.4810	
HCBZ1	3926.1	355.0	.0	978.6	6.469	1.2660	
KFSA	1134.3	88.9	9.3	167.4	35.526	1.1897	

\* - indicates an adjacent channel station.

Point: WTS Frequency: 950 kHz

Station Call	Distance (km)	Bearing (deg.s.)	Theta (deg.s.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
WORD	379.9	3.6	19.9	166.8	164.798	5.4991	5.4991
WWJ	424.1	161.7	28.4	161.2	137.254	4.4241	7.0578
WFIR *	198.9	309.8	42.1	502.2	297.700	2.9899	7.6650
WTD	614.4	124.1	11.8	155.2	82.862	2.5719	8.0850
<b>WPET-L</b>	<b>311.5</b>	<b>327.5</b>	<b>24.1</b>	<b>61.7</b>	<b>203.411</b>	<b>2.5101</b>	<b>8.4657</b>
KPRC	1568.6	49.0	1.7	540.9	20.887	2.2593	8.8354
CKBB	679.1	195.1	10.4	158.7	67.789	2.1519	
WPEN	575.2	252.0	12.8	112.9	92.222	2.0827	
CBM *	1038.4	224.0	5.6	2636.7	31.788	1.6763	
KKFN	2003.7	87.3	.0	761.1	10.630	1.6181	

\* - indicates an adjacent channel station.

#### WPET Proposed

Point: WORD Frequency: 950 kHz

Station Call	Distance (km)	Bearing (deg.s.)	Theta (deg.s.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
WWJ	790.5	171.7	8.5	259.2	58.509	3.0328	3.0328
<b>WPET-A</b>	<b>232.5</b>	<b>239.4</b>	<b>31.2</b>	<b>49.2</b>	<b>267.308</b>	<b>2.6279</b>	<b>4.0129</b>
KPRC	1372.2	61.8	2.9	468.4	27.382	2.5653	4.7628
WPEN	815.1	227.2	8.2	200.8	56.783	2.2804	5.2806
WFIR *	312.1	216.3	35.9	551.5	204.506	2.2559	5.7423
WTS	379.9	183.8	19.9	63.4	164.798	2.0899	6.1108
KWOS	988.8	110.4	6.1	240.4	42.904	2.0627	6.4495

\* - indicates an adjacent channel station.

Point: WTS Frequency: 950 kHz

Station Call	Distance (km)	Bearing (deg.s.)	Theta (deg.s.)	Radiation (nW/m)	SW Mlt. (uV/m)	IF Level (nW/m)	RSS (nW/m)
WORD	379.9	3.6	19.9	166.8	164.798	5.4991	5.4991
WWJ	424.1	161.7	28.4	161.2	137.254	4.4241	7.0578
WFIR *	198.9	309.8	42.1	502.2	297.700	2.9899	7.6650
WTD	614.4	124.1	11.8	155.2	82.862	2.5719	8.0850
KPRC	1568.6	49.0	1.7	540.9	20.887	2.2593	8.3947
<b>WPET-A</b>	<b>309.4</b>	<b>327.2</b>	<b>24.2</b>	<b>53.7</b>	<b>204.781</b>	<b>2.2013</b>	<b>8.6785</b>
CKBB	679.1	195.1	10.4	158.7	67.789	2.1519	
WPEN	575.2	252.0	12.8	112.9	92.222	2.0827	

\* - indicates an adjacent channel station.

Hatfield & Dawson Consulting Engineers