TECHNICAL EXHIBIT
CONCERNING HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY
PREPARED FOR
STATION WJAL-DT
HAGERSTOWN, MARYLAND
CH 39 82.5 KW-DA 399 M

Technical Statement

The proposed facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna is located 84 meters above ground level. The total DTV ERP is 82.5 kW-DA (horizontally polarization). A “worst-case” vertical plane relative field value of 0.25 (for angles below 60 degrees downward) is assumed for the antenna's downward radiation (see Figure 2 attached). The calculated power density at a point 2 meters above ground level is 0.0256 mW/cm^2. This is 6.1% of the FCC's recommended limit of 0.42 mW/cm^2 for channel 39 for an “uncontrolled” environment. Therefore, as this is a single-user site and the RF level is less than 100% for an “uncontrolled” enviornment, it is believed that the proposal complies with the RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with RFR warning signs. Furthermore, a protocol will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing “accepted” RFR protective clothing and/or RFR exposure monitors.

Finally, it is noted that this technical exhibit only addresses the potential for radio frequency electromagnetic field exposure. All other aspects of the

environmental processing analysis have already has been provided to the FCC by the tower owner as part of the tower registration process.

Thomas J. Howell

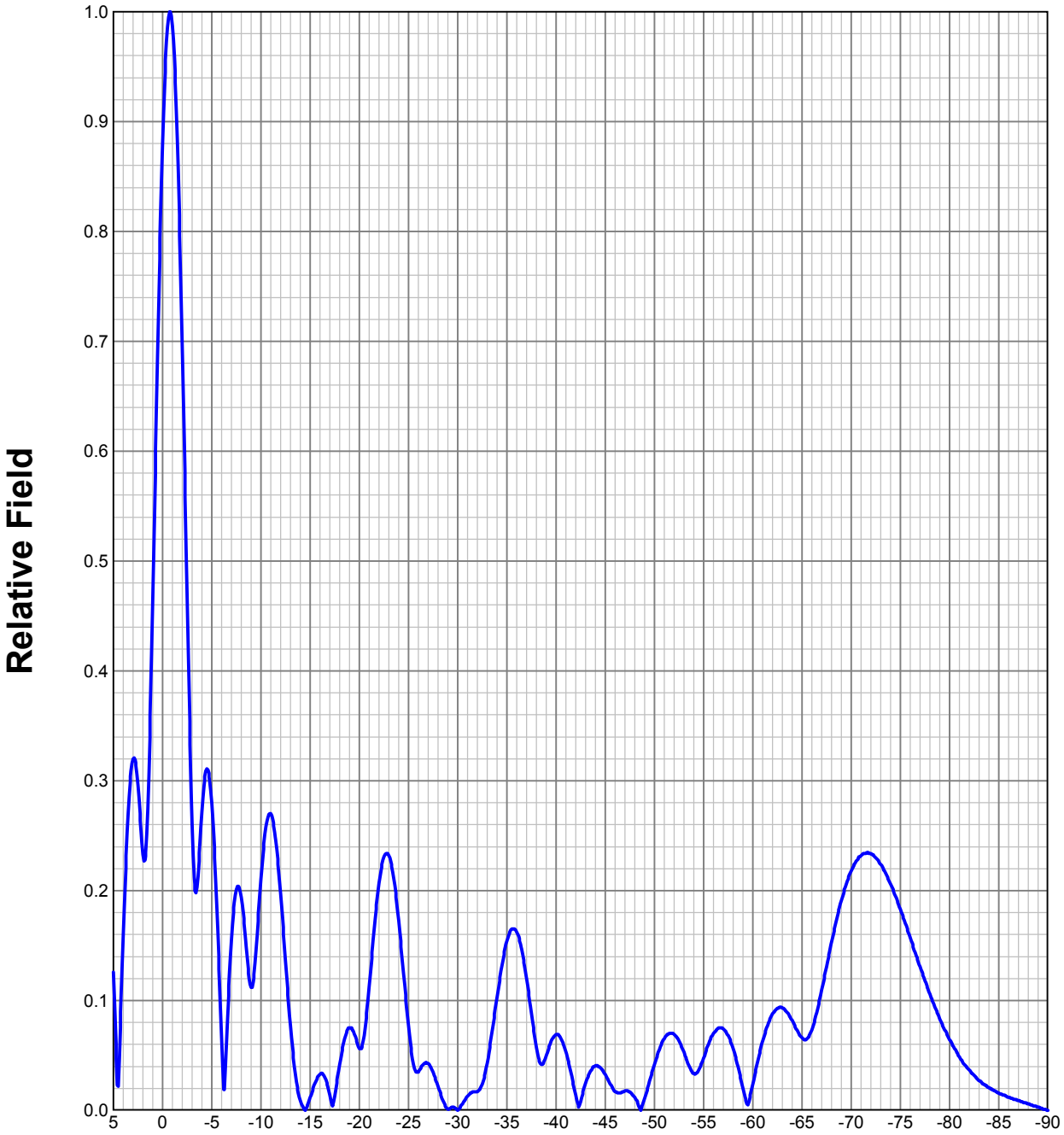
du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, FL 34237-6019
(941) 329-6000
TOM@DLR.COM

May 23, 2008

ALP16L3-HSM-39

ELEVATION PATTERN

Type:	ALP16L3		Channel:	39
Directivity:	Numeric	dBd	Location:	
Main Lobe:	16.59	12.20	Beam Tilt:	-0.75
Horizontal:	12.85	11.09	Polarization:	Horizontal



Preliminary, subject to final design and review.

TABULATED DATA FOR ELEVATION PATTERN

Type: ALP16L3
Polarization Horizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
5.00	0.126	-17.99	-6.75	0.113	-18.90	-27.00	0.043	-27.33	-50.50	0.055	-25.19	-74.00	0.206	-13.72
4.75	0.061	-24.36	-7.00	0.155	-16.19	-27.50	0.035	-29.12	-51.00	0.065	-23.74	-74.50	0.195	-14.20
4.50	0.022	-33.15	-7.25	0.185	-14.68	-28.00	0.022	-33.15	-51.50	0.070	-23.10	-75.00	0.183	-14.75
4.25	0.090	-20.96	-7.50	0.201	-13.94	-28.50	0.009	-40.92	-52.00	0.069	-23.22	-75.50	0.170	-15.39
4.00	0.159	-15.97	-7.75	0.204	-13.83	-29.00	0.001	-60.00	-52.50	0.063	-24.01	-76.00	0.157	-16.08
3.75	0.221	-13.13	-8.00	0.194	-14.24	-29.50	0.003	-50.46	-53.00	0.053	-25.51	-76.50	0.144	-16.83
3.50	0.270	-11.37	-8.25	0.175	-15.16	-30.00	0.000	-40.00	-53.50	0.041	-27.74	-77.00	0.131	-17.65
3.25	0.304	-10.34	-8.50	0.149	-16.54	-30.50	0.006	-44.44	-54.00	0.034	-29.37	-77.50	0.118	-18.56
3.00	0.320	-9.90	-8.75	0.125	-18.06	-31.00	0.013	-37.72	-54.50	0.037	-28.64	-78.00	0.106	-19.49
2.75	0.317	-9.99	-9.00	0.112	-19.02	-31.50	0.017	-35.39	-55.00	0.048	-26.38	-78.50	0.094	-20.54
2.50	0.296	-10.57	-9.25	0.121	-18.38	-32.00	0.017	-35.39	-55.50	0.060	-24.44	-79.00	0.083	-21.62
2.25	0.264	-11.58	-9.50	0.146	-16.71	-32.50	0.024	-32.40	-56.00	0.070	-23.10	-79.50	0.073	-22.73
2.00	0.233	-12.65	-9.75	0.179	-14.97	-33.00	0.043	-27.33	-56.50	0.075	-22.50	-80.00	0.064	-23.88
1.75	0.231	-12.71	-10.00	0.211	-13.51	-33.50	0.072	-22.85	-57.00	0.074	-22.62	-80.50	0.056	-25.04
1.50	0.274	-11.24	-10.50	0.258	-11.77	-34.00	0.103	-19.74	-57.50	0.068	-23.35	-81.00	0.049	-26.20
1.25	0.359	-8.90	-11.00	0.270	-11.37	-34.50	0.132	-17.59	-58.00	0.056	-25.04	-81.50	0.042	-27.54
1.00	0.465	-6.65	-11.50	0.246	-12.18	-35.00	0.154	-16.25	-58.50	0.040	-27.96	-82.00	0.037	-28.64
0.75	0.580	-4.74	-12.00	0.197	-14.11	-35.50	0.165	-15.65	-59.00	0.020	-33.98	-82.50	0.032	-29.90
0.50	0.692	-3.20	-12.50	0.135	-17.39	-36.00	0.162	-15.81	-59.50	0.005	-46.02	-83.00	0.027	-31.37
0.25	0.794	-2.00	-13.00	0.077	-22.27	-36.50	0.147	-16.65	-60.00	0.024	-32.40	-83.50	0.024	-32.40
0.00	0.880	-1.11	-13.50	0.033	-29.63	-37.00	0.120	-18.42	-60.50	0.045	-26.94	-84.00	0.021	-33.56
-0.25	0.945	-0.49	-14.00	0.009	-40.92	-37.50	0.088	-21.11	-61.00	0.063	-24.01	-84.50	0.018	-34.89
-0.50	0.986	-0.12	-14.50	0.000	-40.00	-38.00	0.057	-24.88	-61.50	0.077	-22.27	-85.00	0.016	-35.92
-0.75	1.000	0.00	-15.00	0.012	-38.42	-38.50	0.042	-27.54	-62.00	0.088	-21.11	-85.50	0.014	-37.08
-1.00	0.987	-0.11	-15.50	0.025	-32.04	-39.00	0.050	-26.02	-62.50	0.093	-20.63	-86.00	0.012	-38.42
-1.25	0.947	-0.48	-16.00	0.033	-29.63	-39.50	0.063	-24.01	-63.00	0.093	-20.63	-86.50	0.010	-40.00
-1.50	0.883	-1.08	-16.50	0.030	-30.46	-40.00	0.069	-23.22	-63.50	0.089	-21.01	-87.00	0.009	-40.92
-1.75	0.796	-1.98	-17.00	0.014	-37.08	-40.50	0.065	-23.74	-64.00	0.082	-21.72	-87.50	0.007	-43.10
-2.00	0.694	-3.17	-17.50	0.013	-37.72	-41.00	0.053	-25.51	-64.50	0.073	-22.73	-88.00	0.006	-44.44
-2.25	0.582	-4.71	-18.00	0.042	-27.54	-41.50	0.035	-29.12	-65.00	0.066	-23.61	-88.50	0.004	-47.96
-2.50	0.465	-6.65	-18.50	0.065	-23.74	-42.00	0.014	-37.08	-65.50	0.065	-23.74	-89.00	0.003	-50.46
-2.75	0.354	-9.02	-19.00	0.075	-22.50	-42.50	0.008	-41.94	-66.00	0.073	-22.73	-89.50	0.001	-60.00
-3.00	0.260	-11.70	-19.50	0.069	-23.22	-43.00	0.025	-32.04	-66.50	0.089	-21.01	-90.00	0.000	-40.00
-3.25	0.206	-13.72	-20.00	0.056	-25.04	-43.50	0.036	-28.87	-67.00	0.110	-19.17			
-3.50	0.203	-13.85	-20.50	0.068	-23.35	-44.00	0.041	-27.74	-67.50	0.131	-17.65			
-3.75	0.235	-12.60	-21.00	0.113	-18.94	-44.50	0.039	-28.18	-68.00	0.153	-16.31			
-4.00	0.272	-11.31	-21.50	0.164	-15.70	-45.00	0.033	-29.63	-68.50	0.173	-15.24			
-4.25	0.300	-10.46	-22.00	0.207	-13.68	-45.50	0.024	-32.40	-69.00	0.191	-14.38			
-4.50	0.311	-10.14	-22.50	0.231	-12.73	-46.00	0.017	-35.39	-69.50	0.206	-13.72			
-4.75	0.304	-10.36	-23.00	0.232	-12.69	-46.50	0.016	-35.92	-70.00	0.218	-13.23			
-5.00	0.280	-11.06	-23.50	0.211	-13.51	-47.00	0.018	-34.89	-70.50	0.227	-12.88			
-5.25	0.240	-12.41	-24.00	0.173	-15.24	-47.50	0.017	-35.39	-71.00	0.232	-12.69			
-5.50	0.188	-14.52	-24.50	0.124	-18.13	-48.00	0.012	-38.42	-71.50	0.234	-12.62			
-5.75	0.129	-17.82	-25.00	0.077	-22.27	-48.50	0.002	-53.98	-72.00	0.234	-12.62			
-6.00	0.065	-23.74	-25.50	0.042	-27.54	-49.00	0.011	-39.17	-72.50	0.230	-12.77			
-6.25	0.019	-34.42	-26.00	0.035	-29.12	-49.50	0.027	-31.37	-73.00	0.224	-13.00			
-6.50	0.062	-24.15	-26.50	0.042	-27.54	-50.00	0.042	-27.54	-73.50	0.216	-13.31			

Preliminary, subject to final design and review.