

TECHNICAL EXHIBIT
CONCERNING HUMAN EXPOSURE TO RF ELECTROMAGNETIC ENERGY
PREPARED FOR
STATION KTFQ-DT
ALBUQUERQUE, NEW MEXICO
CH 22 302 KW (MAX-DA) 350 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 283 meters above ground level. The maximum DTV ERP is 302 kW (horizontal polarization). A “worst-case” vertical plane relative field value of 0.1 (for angles below 60 degrees downward) is assumed for the antenna's downward radiation (see Figure 1, Sheet 2, attached). The calculated power density at a point 2 meters above ground level is 0.0013 mW/cm^2 . This is 0.37% of the FCC's recommended limit of 0.35 mW/cm^2 for channel 22 for an “uncontrolled” environment. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

Public access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, appropriate measures are taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing power or suspending operation.

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

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

A handwritten signature in black ink, appearing to read "W. Jeffrey Reynolds". The signature is fluid and cursive, with the first name "W." and last name "Reynolds" clearly legible.

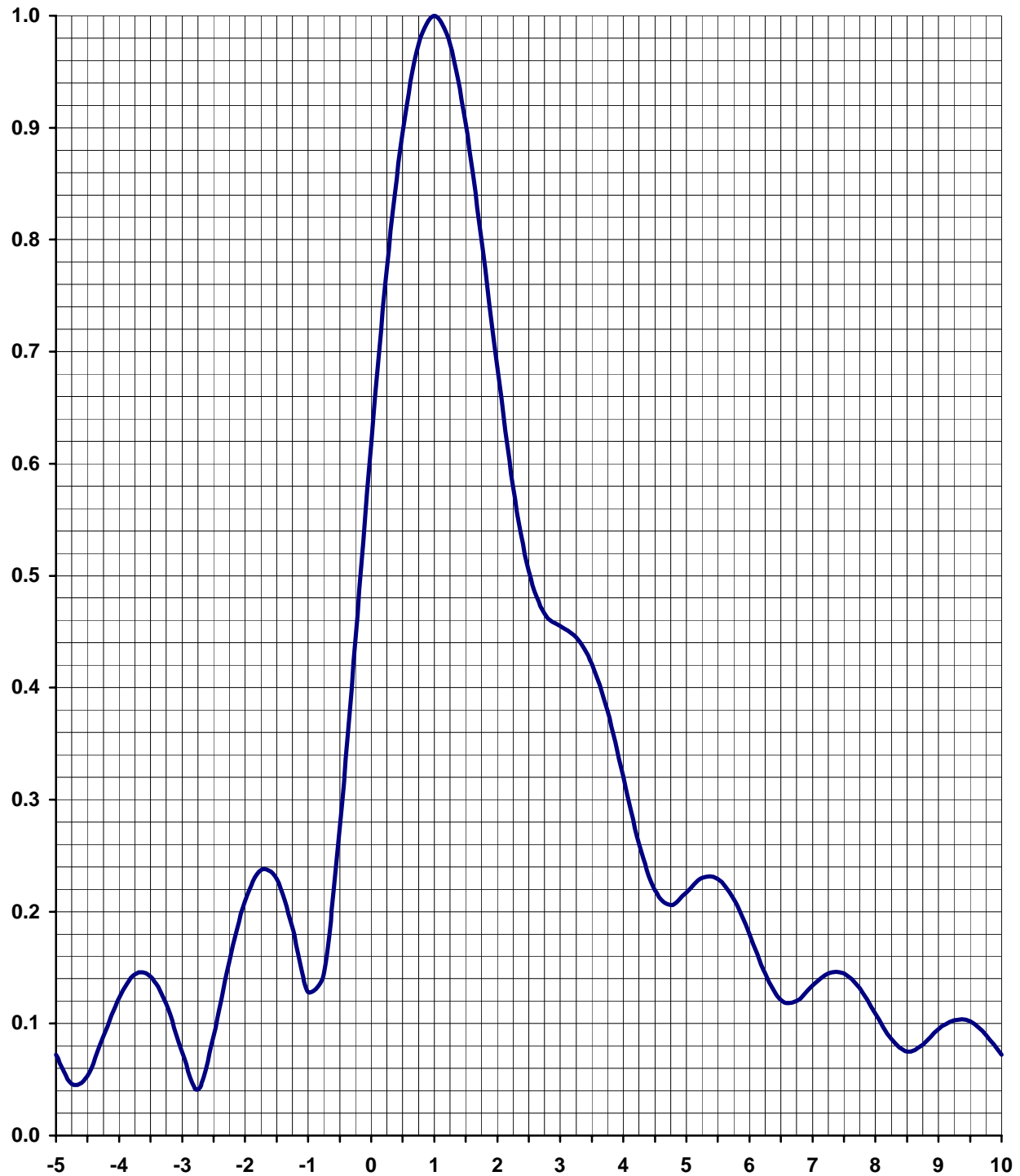
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ATW28H4-HSPX-22S

KO012108-1817 RevC Page 8

ELEVATION PATTERN**TYPE:****ATW28H4H****Frequency:****22 (DTV)****Directivity:****Numeric****dBd****Location:****Albuquerque, NM****Main Lobe:****28.00****14.47****Beam Tilt:****1.00****Horizontal:****10.66****10.28****Polarization:****Horizontal**

TABULATED DATA FOR ELEVATION PATTERN**ATW28H4H***-5 to 10 degrees in 0.25 increments**10 to 90 degrees in 0.50 increments*

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-5.000	0.072	-22.85	6.75	0.120	-18.42	27.00	0.035	-29.12	50.50	0.016	-35.92	74.00	0.021	-33.56
-4.750	0.046	-26.74	7.00	0.134	-17.46	27.50	0.034	-29.37	51.00	0.026	-31.70	74.50	0.013	-37.72
-4.500	0.053	-25.51	7.25	0.145	-16.77	28.00	0.022	-33.15	51.50	0.032	-29.90	75.00	0.006	-44.44
-4.250	0.089	-21.01	7.50	0.145	-16.77	28.50	0.020	-33.98	52.00	0.030	-30.46	75.50	0.007	-43.10
-4.000	0.123	-18.20	7.75	0.132	-17.59	29.00	0.032	-29.90	52.50	0.022	-33.15	76.00	0.014	-37.08
-3.750	0.144	-16.83	8.00	0.109	-19.25	29.50	0.035	-29.12	53.00	0.013	-37.72	76.50	0.021	-33.56
-3.500	0.142	-16.95	8.25	0.086	-21.31	30.00	0.025	-32.04	53.50	0.015	-36.48	77.00	0.026	-31.70
-3.250	0.118	-18.56	8.50	0.075	-22.50	30.50	0.018	-34.89	54.00	0.025	-32.04	77.50	0.029	-30.75
-3.000	0.074	-22.62	8.75	0.081	-21.83	31.00	0.028	-31.06	54.50	0.033	-29.63	78.00	0.033	-29.63
-2.750	0.041	-27.74	9.00	0.095	-20.45	31.50	0.034	-29.37	55.00	0.033	-29.63	78.50	0.034	-29.37
-2.500	0.089	-21.01	9.25	0.103	-19.74	32.00	0.028	-31.06	55.50	0.027	-31.37	79.00	0.035	-29.12
-2.250	0.155	-16.19	9.50	0.102	-19.83	32.50	0.018	-34.89	56.00	0.016	-35.92	79.50	0.034	-29.37
-2.000	0.209	-13.60	9.75	0.090	-20.92	33.00	0.021	-33.56	56.50	0.009	-40.92	80.00	0.033	-29.63
-1.750	0.237	-12.51	10.00	0.072	-22.85	33.50	0.032	-29.90	57.00	0.018	-34.89	80.50	0.032	-29.90
-1.500	0.229	-12.80	10.50	0.056	-25.04	34.00	0.030	-30.46	57.50	0.028	-31.06	81.00	0.029	-30.75
-1.250	0.186	-14.61	11.00	0.078	-22.16	34.50	0.021	-33.56	58.00	0.033	-29.63	81.50	0.026	-31.70
-1.000	0.128	-17.86	11.50	0.079	-22.05	35.00	0.015	-36.48	58.50	0.032	-29.90	82.00	0.024	-32.40
-0.750	0.144	-16.83	12.00	0.053	-25.51	35.50	0.025	-32.04	59.00	0.026	-31.70	82.50	0.021	-33.56
-0.500	0.276	-11.18	12.50	0.050	-26.02	36.00	0.031	-30.17	59.50	0.015	-36.48	83.00	0.018	-34.89
-0.250	0.444	-7.05	13.00	0.070	-23.10	36.50	0.026	-31.70	60.00	0.007	-43.10	83.50	0.016	-35.92
0.000	0.617	-4.19	13.50	0.067	-23.48	37.00	0.016	-35.92	60.50	0.015	-36.48	84.00	0.013	-37.72
0.250	0.774	-2.23	14.00	0.044	-27.13	37.50	0.018	-34.89	61.00	0.026	-31.70	84.50	0.011	-39.17
0.500	0.895	-0.96	14.50	0.045	-26.94	38.00	0.028	-31.06	61.50	0.033	-29.63	85.00	0.010	-40.00
0.750	0.975	-0.22	15.00	0.061	-24.29	38.50	0.030	-30.46	62.00	0.035	-29.12	85.50	0.008	-41.94
1.000	1.000	0.00	15.50	0.055	-25.19	39.00	0.023	-32.77	62.50	0.032	-29.90	86.00	0.007	-43.10
1.250	0.975	-0.22	16.00	0.036	-28.87	39.50	0.014	-37.08	63.00	0.024	-32.40	86.50	0.006	-44.44
1.500	0.904	-0.88	16.50	0.040	-27.96	40.00	0.020	-33.98	63.50	0.013	-37.72	87.00	0.005	-46.02
1.750	0.801	-1.93	17.00	0.053	-25.51	40.50	0.029	-30.75	64.00	0.006	-44.44	87.50	0.005	-46.02
2.000	0.685	-3.29	17.50	0.046	-26.74	41.00	0.030	-30.46	64.50	0.015	-36.48	88.00	0.004	-47.96
2.250	0.579	-4.75	18.00	0.029	-30.75	41.50	0.023	-32.77	65.00	0.026	-31.70	88.50	0.003	-50.46
2.500	0.504	-5.95	18.50	0.037	-28.64	42.00	0.013	-37.72	65.50	0.035	-29.12	89.00	0.002	-53.98
2.750	0.466	-6.63	19.00	0.048	-26.38	42.50	0.020	-33.98	66.00	0.039	-28.18	89.50	0.001	-60.00
3.000	0.455	-6.84	19.50	0.041	-27.74	43.00	0.029	-30.75	66.50	0.039	-28.18	90.00	0.001	-60.00
3.250	0.445	-7.03	20.00	0.026	-31.70	43.50	0.030	-30.46	67.00	0.036	-28.87			
3.500	0.421	-7.51	20.50	0.035	-29.12	44.00	0.023	-32.77	67.50	0.028	-31.06			
3.750	0.379	-8.43	21.00	0.045	-26.94	44.50	0.013	-37.72	68.00	0.018	-34.89			
4.000	0.321	-9.87	21.50	0.038	-28.40	45.00	0.017	-35.39	68.50	0.007	-43.10			
4.250	0.261	-11.67	22.00	0.025	-32.04	45.50	0.026	-31.70	69.00	0.007	-43.10			
4.500	0.219	-13.19	22.50	0.032	-29.90	46.00	0.030	-30.46	69.50	0.018	-34.89			
4.750	0.206	-13.72	23.00	0.042	-27.54	46.50	0.025	-32.04	70.00	0.028	-31.06			
5.000	0.217	-13.27	23.50	0.036	-28.87	47.00	0.015	-36.48	70.50	0.036	-28.87			
5.250	0.230	-12.77	24.00	0.023	-32.77	47.50	0.013	-37.72	71.00	0.041	-27.74			
5.500	0.229	-12.80	24.50	0.028	-31.06	48.00	0.023	-32.77	71.50	0.043	-27.33			
5.750	0.211	-13.51	25.00	0.038	-28.40	48.50	0.030	-30.46	72.00	0.042	-27.54			
6.000	0.180	-14.89	25.50	0.034	-29.37	49.00	0.029	-30.75	72.50	0.040	-27.96			
6.250	0.145	-16.77	26.00	0.021	-33.56	49.50	0.022	-33.15	73.00	0.035	-29.12			
6.500	0.121	-18.34	26.50	0.024	-32.40	50.00	0.013	-37.72	73.50	0.028	-31.06			