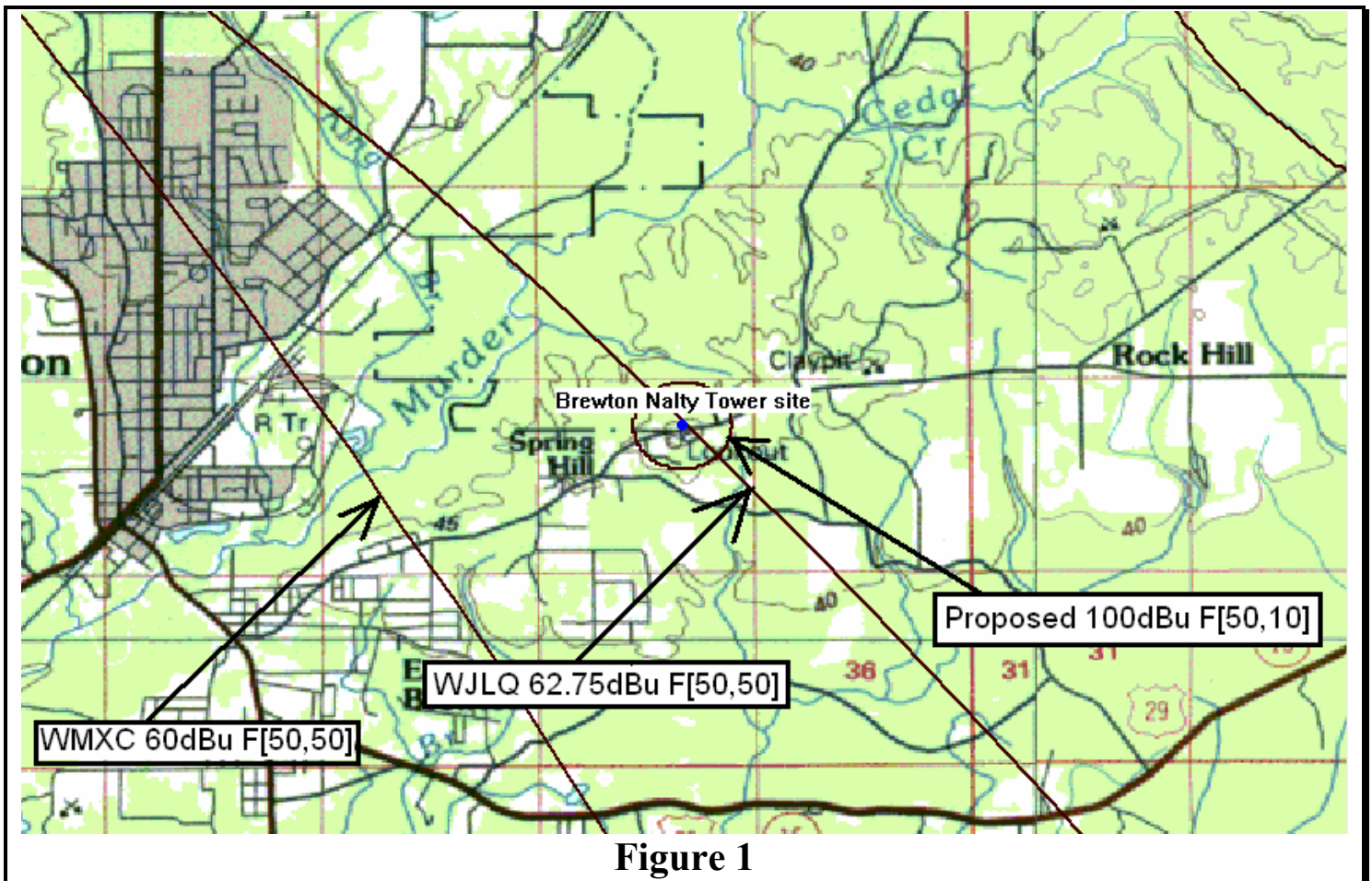


Waiver Request 47CFR74.1204

The site for the facility of proposed CP amendment is located within the protected contour of second-adjacent channel station WJLQ, channel 264C, in Pensacola, FL. The predicted contour at the proposed site for this amendment is 62.75 dBu F[50,50] (see figure 1). According to established contour protection ratios, the contour from the interfering station should be 40 dB higher than the protected contour. Therefore the respective interfering contour for this proposed amendment is 102.75 dBu F[50,10].



The center of radiation for this proposal is 51.7 meters AGL or 129.5, AMSL. The predicted interfering contour at maximum radiation outward is 72.3 meters. This interference perimeter is indicated by a dashed circle in Figure 2 on a USGS map to confirm proper location of the

interference area. The terrain within that perimeter does not exceed 83m AMSL. The nearby Underwood Lookout Tower falls outside of the interference perimeter.

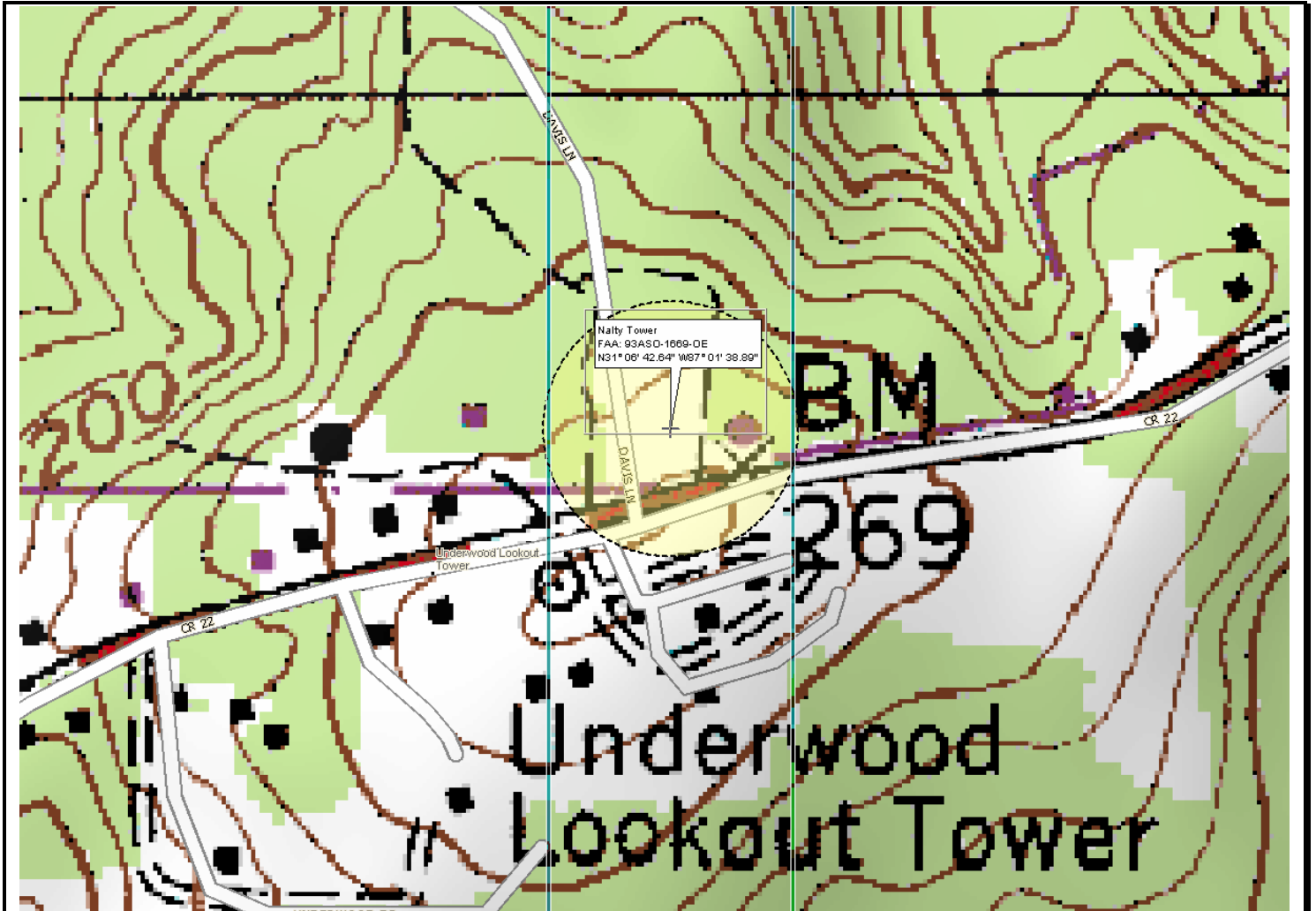
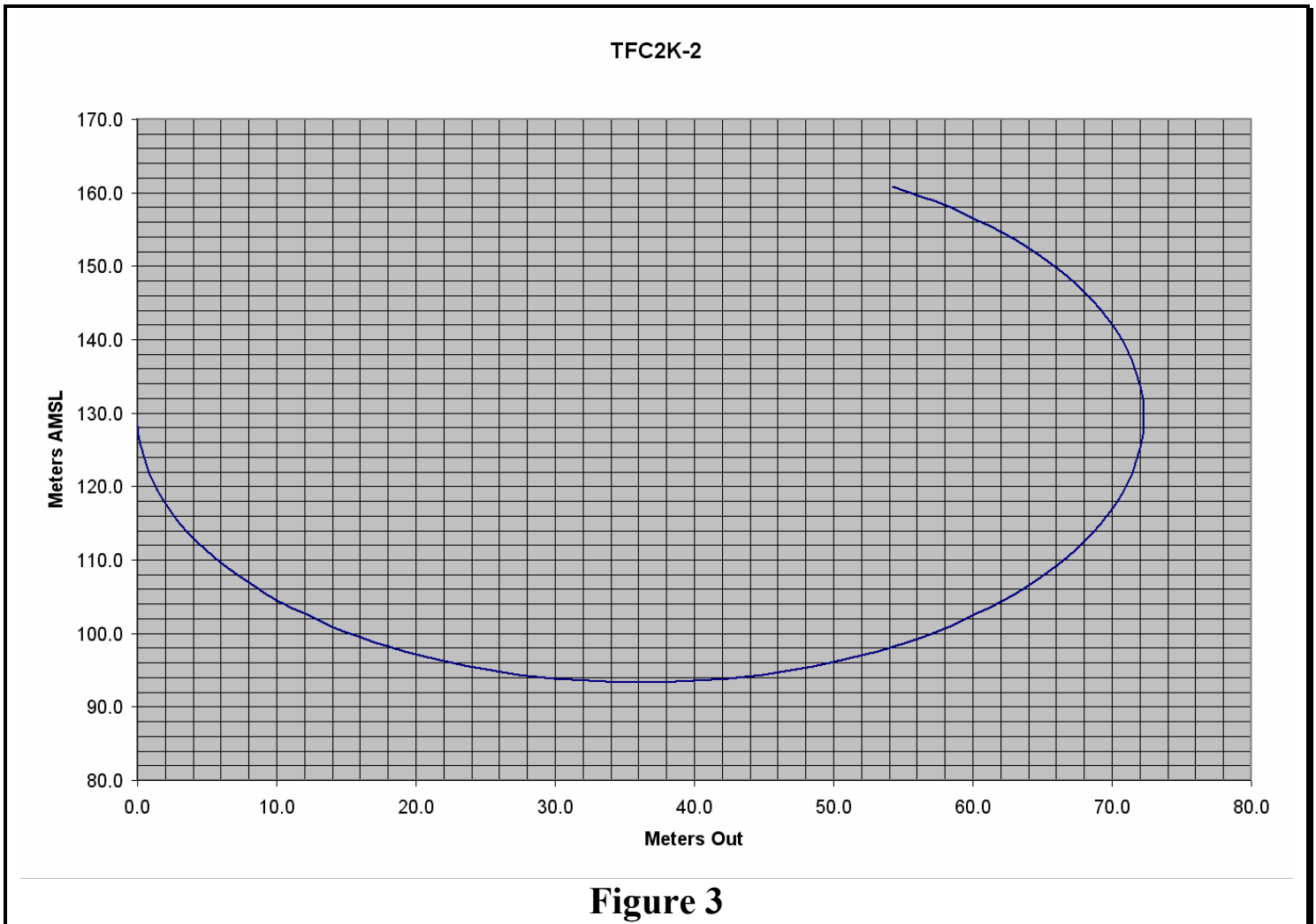


Figure 2

Applicant proposes to use a BEXT antenna model TFC2K, which is a one-bay non-directional antenna. A graphical representation of its radiation is displayed in Figure 3. A table of elevation angles, field strength and Field dB as provided by the antenna manufacturer is displayed as Table 1. It also contains columns with the contour distance in meters which were

calculated both in normal elevation radial form and for plotting in plane coordinates. It can be seen from this data that the actual interference area does not extend below 93.4 meters AGL.



No residences, roads or public locations included within the interference perimeter where the public would occupy exceed 86 meters AMSL. Since the actual interference area does not extend below 93.4 meters AMSL, there is an additional margin of 7.4 meters ($93.4\text{m} - 86.0\text{m} = 7.4\text{m}$) between areas where the public could occupy and the interference area.

Since this proposal complies with 47CFR74.1204(d) based upon the fact that no actual interference will occur due to no population and no public locations within the areas of interference, we hereby request waiver of 47CFR74.1204(a)(3) for separation between this proposed facility and WKSJ-FM.

Table 1

TFC2K.DAT								
ELEV ANGLE	FIELD STRENGTH	FIELD DB	ELEV ERP(KW)	ELEV DBK	102.75DBU CNTR(M)	DISTANCE OUT (M)	DISTANCE UP(DOWN)	ELEV AMSL (M)
=====	=====	=====	=====	=====	=====	=====	=====	=====
-90	0.001	-60.00	0.0000	-86.99	0.1	0.0	-0.1	129.4
-88	0.035	-29.16	0.0000	-56.15	2.5	0.1	-2.5	127.0
-86	0.070	-23.14	0.0000	-50.13	5.0	0.4	-5.0	124.5
-84	0.104	-19.63	0.0000	-46.62	7.5	0.8	-7.5	122.0
-82	0.139	-17.13	0.0000	-44.12	10.1	1.4	-10.0	119.5
-80	0.174	-15.21	0.0001	-42.20	12.5	2.2	-12.4	117.1
-78	0.208	-13.64	0.0001	-40.63	15.0	3.1	-14.7	114.8
-76	0.242	-12.33	0.0001	-39.32	17.5	4.2	-17.0	112.5
-74	0.276	-11.19	0.0002	-38.18	19.9	5.5	-19.1	110.4
-72	0.309	-10.20	0.0002	-37.19	22.3	6.9	-21.2	108.3
-70	0.342	-9.32	0.0002	-36.31	24.7	8.5	-23.2	106.3
-68	0.375	-8.53	0.0003	-35.52	27.1	10.1	-25.1	104.4
-66	0.407	-7.82	0.0003	-34.80	29.4	12.0	-26.8	102.7
-64	0.438	-7.16	0.0004	-34.15	31.7	13.9	-28.5	101.0
-62	0.469	-6.57	0.0004	-33.56	33.9	15.9	-29.9	99.6
-60	0.500	-6.02	0.0005	-33.01	36.1	18.1	-31.3	98.2
-58	0.530	-5.52	0.0006	-32.51	38.3	20.3	-32.5	97.0
-56	0.559	-5.05	0.0006	-32.04	40.4	22.6	-33.5	96.0
-54	0.588	-4.62	0.0007	-31.61	42.5	25.0	-34.4	95.1
-52	0.616	-4.21	0.0008	-31.20	44.5	27.4	-35.1	94.4
-50	0.643	-3.84	0.0008	-30.83	46.4	29.9	-35.6	93.9
-48	0.669	-3.49	0.0009	-30.48	48.4	32.4	-35.9	93.6
-46	0.695	-3.17	0.0010	-30.16	50.2	34.9	-36.1	93.4
-44	0.719	-2.86	0.0010	-29.85	52.0	37.4	-36.1	93.4
-42	0.743	-2.58	0.0011	-29.57	53.7	39.9	-35.9	93.6
-40	0.766	-2.32	0.0012	-29.31	55.3	42.4	-35.6	93.9
-38	0.788	-2.07	0.0012	-29.06	56.9	44.9	-35.1	94.4
-36	0.809	-1.84	0.0013	-28.83	58.5	47.3	-34.4	95.1
-34	0.829	-1.63	0.0014	-28.62	59.9	49.7	-33.5	96.0
-32	0.848	-1.43	0.0014	-28.42	61.3	52.0	-32.5	97.0
-30	0.866	-1.25	0.0015	-28.24	62.6	54.2	-31.3	98.2
-28	0.883	-1.08	0.0016	-28.07	63.8	56.3	-30.0	99.5
-26	0.899	-0.93	0.0016	-27.92	64.9	58.4	-28.5	101.0

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-24	0.913	-0.79	0.0017	-27.78	66.0	60.3	-26.8	102.7
-22	0.927	-0.66	0.0017	-27.65	67.0	62.1	-25.1	104.4
-20	0.940	-0.54	0.0018	-27.53	67.9	63.8	-23.2	106.3
-18	0.951	-0.44	0.0018	-27.43	68.7	65.4	-21.2	108.3
-16	0.961	-0.34	0.0018	-27.33	69.5	66.8	-19.1	110.4
-14	0.970	-0.26	0.0019	-27.25	70.1	68.0	-17.0	112.5
-12	0.978	-0.19	0.0019	-27.18	70.7	69.1	-14.7	114.8
-10	0.985	-0.13	0.0019	-27.12	71.2	70.1	-12.4	117.1
-8	0.990	-0.09	0.0020	-27.08	71.5	70.9	-10.0	119.5
-6	0.994	-0.05	0.0020	-27.04	71.9	71.5	-7.5	122.0
-4	0.997	-0.02	0.0020	-27.01	72.1	71.9	-5.0	124.5
-2	0.999	-0.01	0.0020	-27.00	72.2	72.2	-2.5	127.0
0	1.000	0.00	0.0020	-26.99	72.3	72.3	0.0	129.5
2	0.999	-0.01	0.0020	-27.00	72.2	72.2	2.5	132.0
4	0.997	-0.02	0.0020	-27.01	72.1	71.9	5.0	134.5
6	0.994	-0.05	0.0020	-27.04	71.9	71.5	7.5	137.0
8	0.990	-0.09	0.0020	-27.08	71.5	70.9	10.0	139.5
10	0.985	-0.13	0.0019	-27.12	71.2	70.1	12.4	141.9
12	0.978	-0.19	0.0019	-27.18	70.7	69.1	14.7	144.2
14	0.970	-0.26	0.0019	-27.25	70.1	68.0	17.0	146.5
16	0.961	-0.34	0.0018	-27.33	69.5	66.8	19.1	148.6
18	0.951	-0.44	0.0018	-27.43	68.7	65.4	21.2	150.7
20	0.940	-0.54	0.0018	-27.53	67.9	63.8	23.2	152.7
22	0.927	-0.66	0.0017	-27.65	67.0	62.1	25.1	154.6
24	0.913	-0.79	0.0017	-27.78	66.0	60.3	26.8	156.3
26	0.899	-0.93	0.0016	-27.92	64.9	58.4	28.5	158.0
28	0.883	-1.08	0.0016	-28.07	63.8	56.3	30.0	159.5
30	0.866	-1.25	0.0015	-28.24	62.6	54.2	31.3	160.8

TFC2K.DAT

MAX: 72.3m -36.1m 93.4m