

Waiver Request 47 C.F.R. 74.1204

The site for the facility of proposed CP amendment is located within the protected contour of second-adjacent channel station WYOK, channel 281C, in Atmore, AL. The predicted contour at the proposed site for this amendment is 79.3 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 potential interfering contour for this proposed amendment is 119.3 dBu F[50,10].

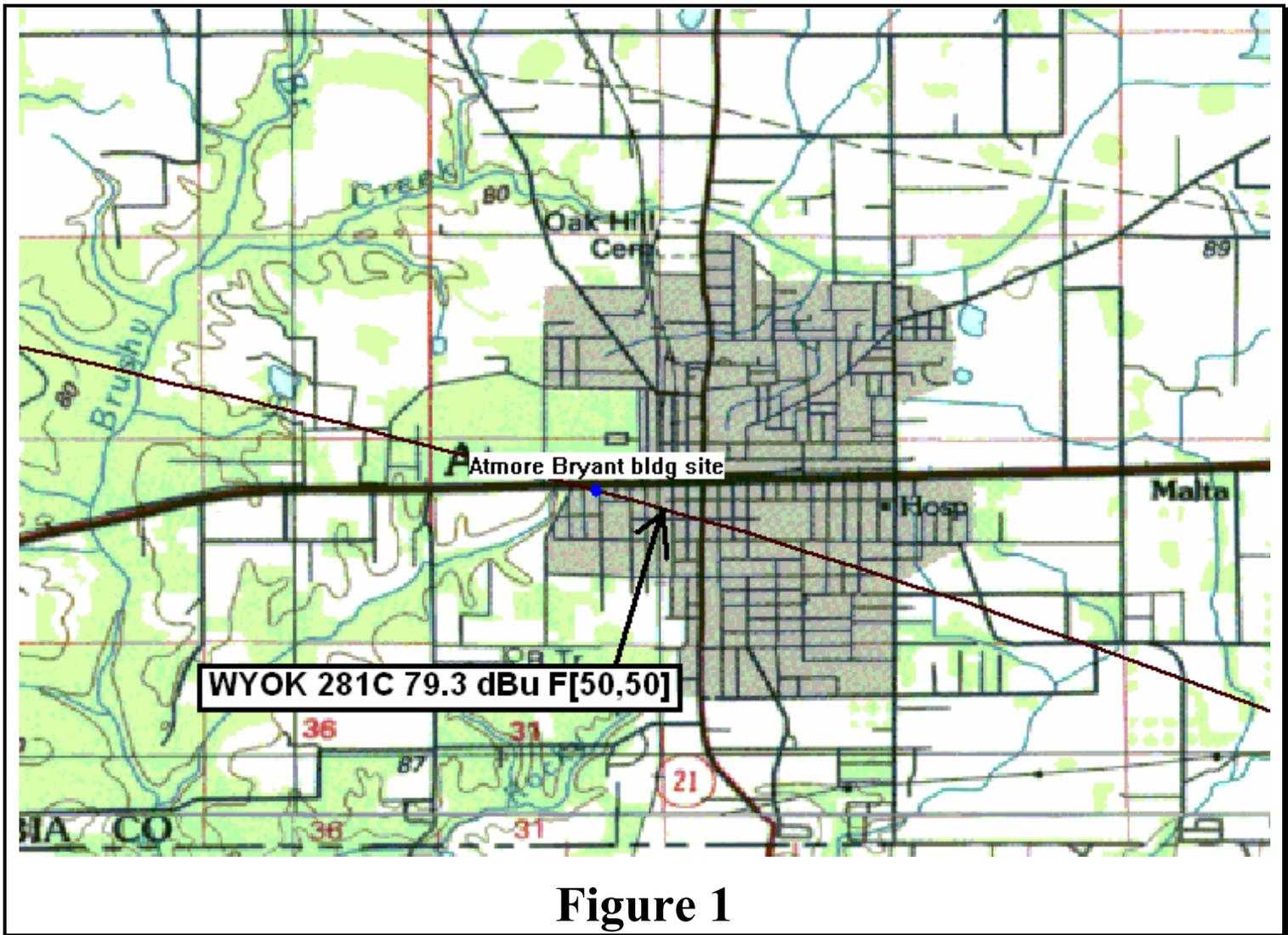


Figure 1

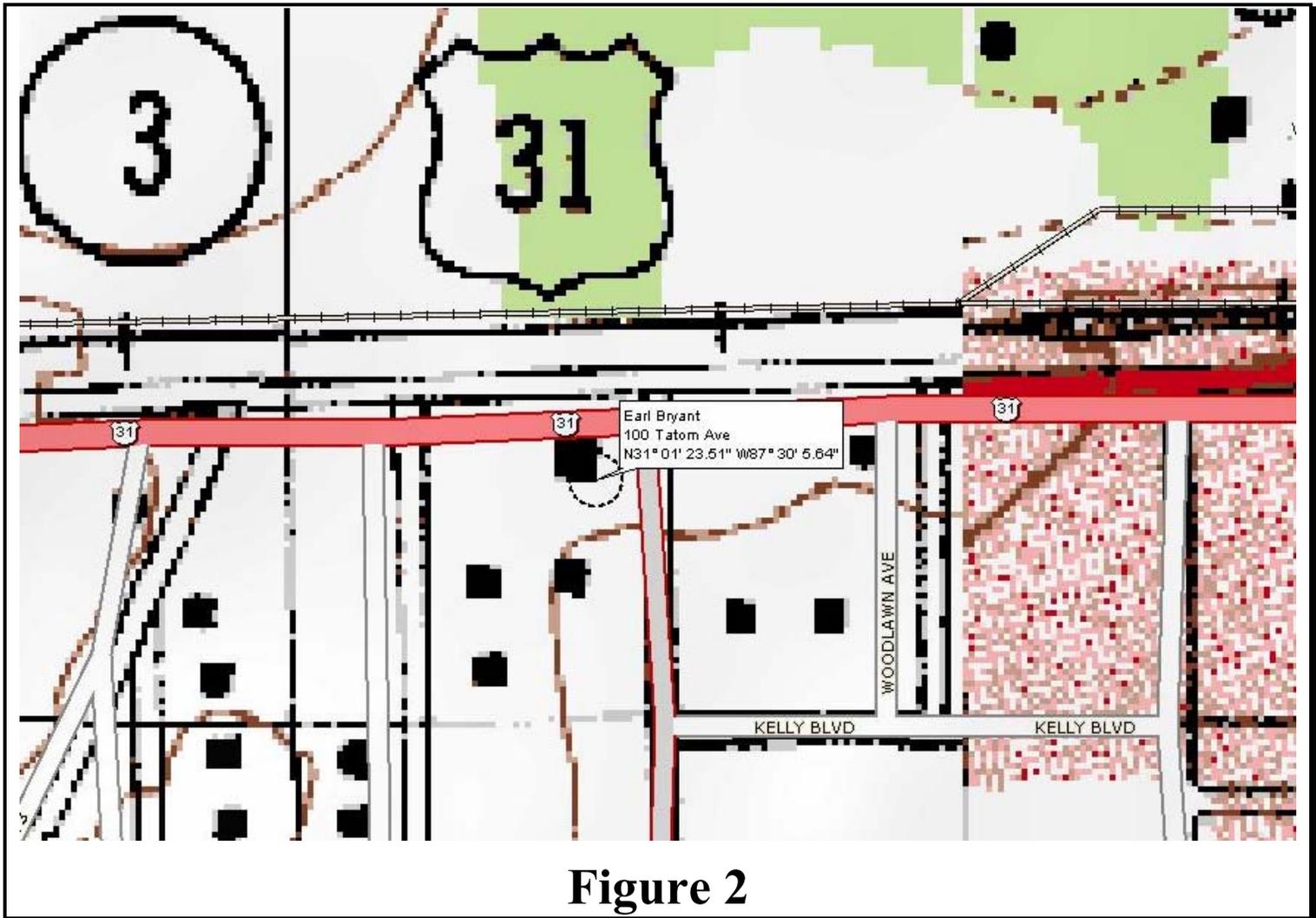


Figure 2

The antenna is proposed to be located with radiation center 108 meters (354.3 feet) AMSL and 8 meters (26.2 feet) AGL transmitting 0.002 KW ERP. The predicted interfering contour at maximum radiation outward is 10.7 meters. This perimeter is indicated by a dashed circle in **Figure 2** on a USGS topographic map to confirm proper location of the interference area.

Applicant proposes to use an Arrow antenna model GP-Custom. A graphical representation of radiation in the vertical plane is displayed in **Figure 3**.

GP-Custom

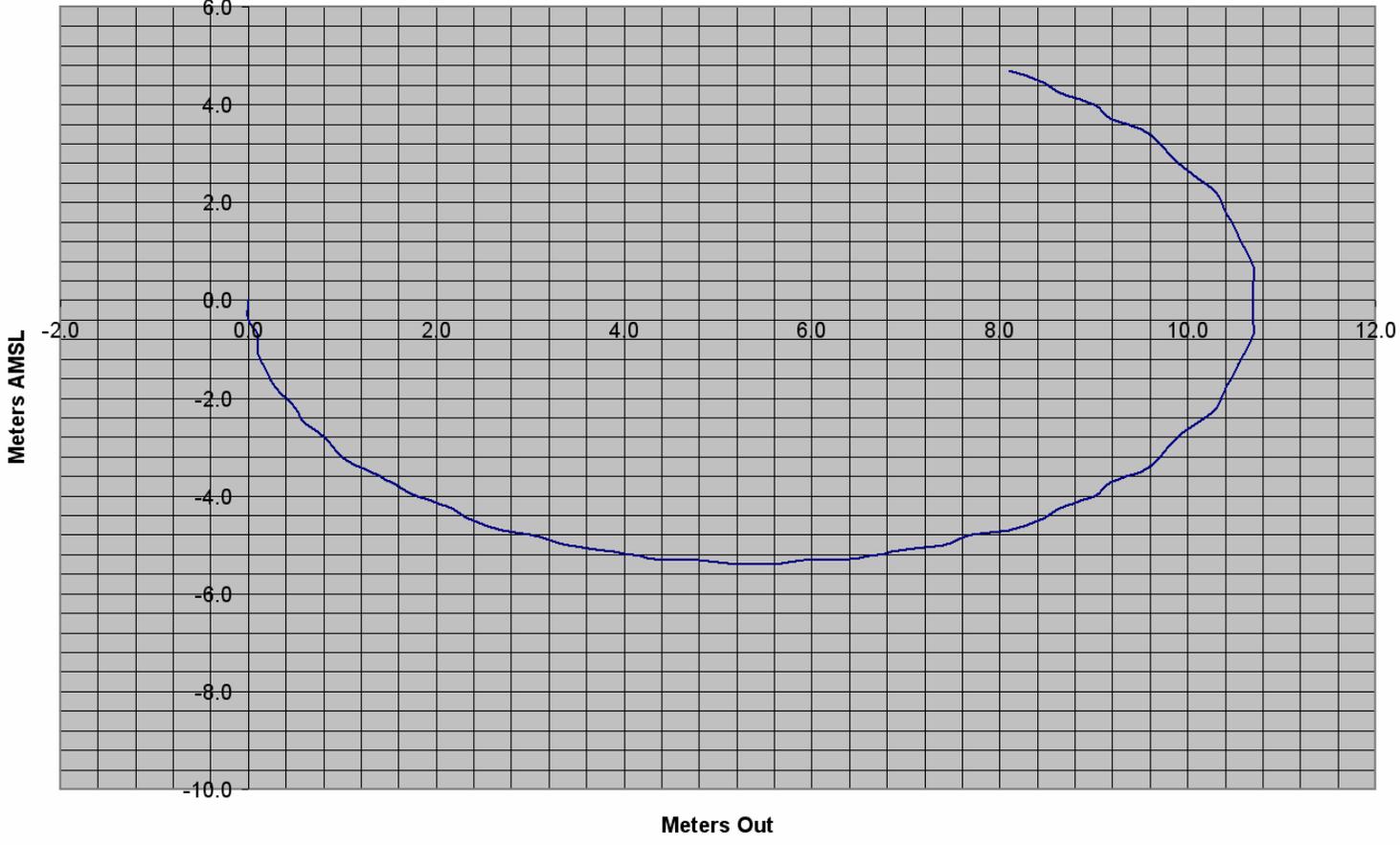


Figure 4

A table of elevation angles, field strength and Field dB as provided by the antenna manufacturer is displayed as **Table 1** at the end of this exhibit. It also contains columns with the contour distance in meters which were calculated both in elevation radial form and for plotting in plane coordinates. It can be seen from this data that the actual interference area does not exceed 5.4 meters below the center of radiation. Therefore, the actual interference area does not extend below 102.6 meters (336.6 feet) AMSL.

Request for Waiver

The only building within the 10.7 meter radius of the antenna is the one-story building of the site-owner, Earl Bryant. All roads and structures are at elevations below 102.6 meters AMSL. Therefore, no buildings, roads or other structures that the public would normally occupy would put the public within the interference pattern radiated by the antenna.

Since this proposal complies with 47 C.F.R. 74.1204(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 47 C.F.R. 74.1204(a)(3) for separation between this proposed facility and WYOK.

Table 1

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ELEV ANGLE	FIELD STRENGTH	FIELD DB	ELEV ERP(KW)	ELEV DBK	119.30DBU CNTR(M)	DISTANCE OUT (M)	DISTANCE UP(DOWN)	ELEVATION AMSL (M)
-90	0.001	-60.00	0.0000	-86.99	0.0	0.0	0.0	108.0
-88	0.035	-29.16	0.0000	-56.15	0.4	0.0	-0.4	107.6
-86	0.070	-23.14	0.0000	-50.13	0.7	0.1	-0.7	107.3
-84	0.104	-19.63	0.0000	-46.62	1.1	0.1	-1.1	106.9
-82	0.139	-17.13	0.0000	-44.12	1.5	0.2	-1.5	106.5
-80	0.174	-15.21	0.0001	-42.20	1.9	0.3	-1.8	106.2
-78	0.208	-13.64	0.0001	-40.63	2.2	0.5	-2.2	105.8
-76	0.242	-12.33	0.0001	-39.32	2.6	0.6	-2.5	105.5
-74	0.276	-11.19	0.0002	-38.18	3.0	0.8	-2.8	105.2
-72	0.309	-10.20	0.0002	-37.19	3.3	1.0	-3.2	104.8
-70	0.342	-9.32	0.0002	-36.31	3.7	1.3	-3.5	104.5
-68	0.375	-8.53	0.0003	-35.52	4.0	1.5	-3.7	104.3
-66	0.407	-7.82	0.0003	-34.80	4.4	1.8	-4.0	104.0
-64	0.438	-7.16	0.0004	-34.15	4.7	2.1	-4.2	103.8
-62	0.469	-6.57	0.0004	-33.56	5.0	2.4	-4.5	103.5
-60	0.500	-6.02	0.0005	-33.01	5.4	2.7	-4.7	103.3
-58	0.530	-5.52	0.0006	-32.51	5.7	3.0	-4.8	103.2
-56	0.559	-5.05	0.0006	-32.04	6.0	3.4	-5.0	103.0
-54	0.588	-4.62	0.0007	-31.61	6.3	3.7	-5.1	102.9
-52	0.616	-4.21	0.0008	-31.20	6.6	4.1	-5.2	102.8
-50	0.643	-3.84	0.0008	-30.83	6.9	4.4	-5.3	102.7

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-48	0.669	-3.49	0.0009	-30.48	7.2	4.8	-5.3	102.7
-46	0.695	-3.17	0.0010	-30.16	7.5	5.2	-5.4	102.6
-44	0.719	-2.86	0.0010	-29.85	7.7	5.6	-5.4	102.6
-42	0.743	-2.58	0.0011	-29.57	8.0	5.9	-5.3	102.7
-40	0.766	-2.32	0.0012	-29.31	8.2	6.3	-5.3	102.7
-38	0.788	-2.07	0.0012	-29.06	8.5	6.7	-5.2	102.8
-36	0.809	-1.84	0.0013	-28.83	8.7	7.0	-5.1	102.9
-34	0.829	-1.63	0.0014	-28.62	8.9	7.4	-5.0	103.0
-32	0.848	-1.43	0.0014	-28.42	9.1	7.7	-4.8	103.2
-30	0.866	-1.25	0.0015	-28.24	9.3	8.1	-4.7	103.3
-28	0.883	-1.08	0.0016	-28.07	9.5	8.4	-4.5	103.5
-26	0.899	-0.93	0.0016	-27.92	9.7	8.7	-4.2	103.8
-24	0.913	-0.79	0.0017	-27.78	9.8	9.0	-4.0	104.0
-22	0.927	-0.66	0.0017	-27.65	10.0	9.2	-3.7	104.3
-20	0.940	-0.54	0.0018	-27.53	10.1	9.5	-3.5	104.5
-18	0.951	-0.44	0.0018	-27.43	10.2	9.7	-3.2	104.8
-16	0.961	-0.34	0.0018	-27.33	10.3	9.9	-2.8	105.2
-14	0.970	-0.26	0.0019	-27.25	10.4	10.1	-2.5	105.5
-12	0.978	-0.19	0.0019	-27.18	10.5	10.3	-2.2	105.8
-10	0.985	-0.13	0.0019	-27.12	10.6	10.4	-1.8	106.2
-8	0.990	-0.09	0.0020	-27.08	10.6	10.5	-1.5	106.5
-6	0.994	-0.05	0.0020	-27.04	10.7	10.6	-1.1	106.9
-4	0.997	-0.02	0.0020	-27.01	10.7	10.7	-0.7	107.3
-2	0.999	-0.01	0.0020	-27.00	10.7	10.7	-0.4	107.6
0	1.000	0.00	0.0020	-26.99	10.7	10.7	0.0	108.0
2	0.999	-0.01	0.0020	-27.00	10.7	10.7	0.4	108.4
4	0.997	-0.02	0.0020	-27.01	10.7	10.7	0.7	108.7
6	0.994	-0.05	0.0020	-27.04	10.7	10.6	1.1	109.1
8	0.990	-0.09	0.0020	-27.08	10.6	10.5	1.5	109.5
10	0.985	-0.13	0.0019	-27.12	10.6	10.4	1.8	109.8
12	0.978	-0.19	0.0019	-27.18	10.5	10.3	2.2	110.2
14	0.970	-0.26	0.0019	-27.25	10.4	10.1	2.5	110.5
16	0.961	-0.34	0.0018	-27.33	10.3	9.9	2.8	110.8
18	0.951	-0.44	0.0018	-27.43	10.2	9.7	3.2	111.2
20	0.940	-0.54	0.0018	-27.53	10.1	9.5	3.5	111.5
22	0.927	-0.66	0.0017	-27.65	10.0	9.2	3.7	111.7
24	0.913	-0.79	0.0017	-27.78	9.8	9.0	4.0	112.0
26	0.899	-0.93	0.0016	-27.92	9.7	8.7	4.2	112.2
28	0.883	-1.08	0.0016	-28.07	9.5	8.4	4.5	112.5
30	0.866	-1.25	0.0015	-28.24	9.3	8.1	4.7	112.7

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MAX: 10.7m -5.4m 102.6m

End of Table 2