

Minor Change CP FCC Form 349 Exhibit 13

Relocate to Mobile on WAVH tower
Goforth Media

REFERENCE CH# 278D - 103.5 MHz, Pwr= 0.195 kW, HAAT= 120.0 M, COR= 146 M DISPLAY DATES
30 43 34.0 N. Average Protected F(50-50)= 13.2 km DATA 10-04-14
88 09 06.0 W. Omni-directional SEARCH 10-04-14

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap	*OUT* in km)
281C Saraland	WDLT-FM	LIC	NC AL	104.5 284.7	50.07 BLH20120507ABD	30 36 45.0 87 38 42.0	100.000 508	12.6 550	87.1 Cumulus Licensing Llc	22.9	-38.0* /1
278D Spanish Fort	W278AP	LIC	DC AL	99.9 280.0	30.24 BLFT20110610ADC	30 40 45.0 87 50 24.0	0.099 228	52.9 257	16.3 Goforth Media, Inc.	-37.1*	-34.1 /2
277D Spanish Fort	W279AT-Pr	Pro	D AL	99.9 280.0	30.25	30 40 45.0 87 50 24.0	0.250 228	11.9 257	7.9 User	4.2	0.0 /3
278A Frisco City	NEW	CP	NCX AL	41.6 222.0	104.14 BNPH20130627AAE	31 25 28.0 87 25 22.0	5.000 88	84.6 190	27.5 Collins, Damon L	5.2	28.3
279C0 Hattiesburg	WFFX	LIC	CX MS	313.8 133.3	129.19 BMLH20060918AHW	31 31 37.0 89 08 07.0	100.000 324	109.1 394	74.8 Cc Licenses, Llc	8.1	36.5
276C2 Ocean Springs	WOSM	CP	CX MS	236.6 56.3	63.71 BPH20140623AAW	30 24 34.0 88 42 23.0	50.000 150	6.0 153	52.3 Telesouth Communications,	45.8	10.4
276C2 Ocean Springs	WOSM	LIC	CN MS	236.6 56.3	63.71 BLH19910610KC	30 24 34.0 88 42 23.0	50.000 140	5.8 143	51.0 Telesouth Communications,	46.0	11.7
279D Loxley	W279AT	LIC	V AL	108.5 288.7	40.15 BLFT20110526AED	30 36 40.0 87 45 13.0	0.010 27	4.4 62	3.2 Goforth Media, Inc.	21.2	15.1
225C Mobile	WBLX-FM	LIC	NC AL	104.5 284.7	50.13 BLH20050627AAR	30 36 45.0 87 38 43.0	100.000 521	12.8 553	58.8 Cumulus Licensing Llc	29.0R	21.1M
277D Atmore	W277CC	LIC	V AL	72.9 253.3	67.43 BLFT20110906AAD	30 54 08.0 87 28 33.0	0.250 111	21.4 172	14.2 Divine Word Communications	31.6	31.4

Minor Change CP
FCC Form 349 Exhibit 13

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference Zone= East Zone, Co to 3rd adjacent.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

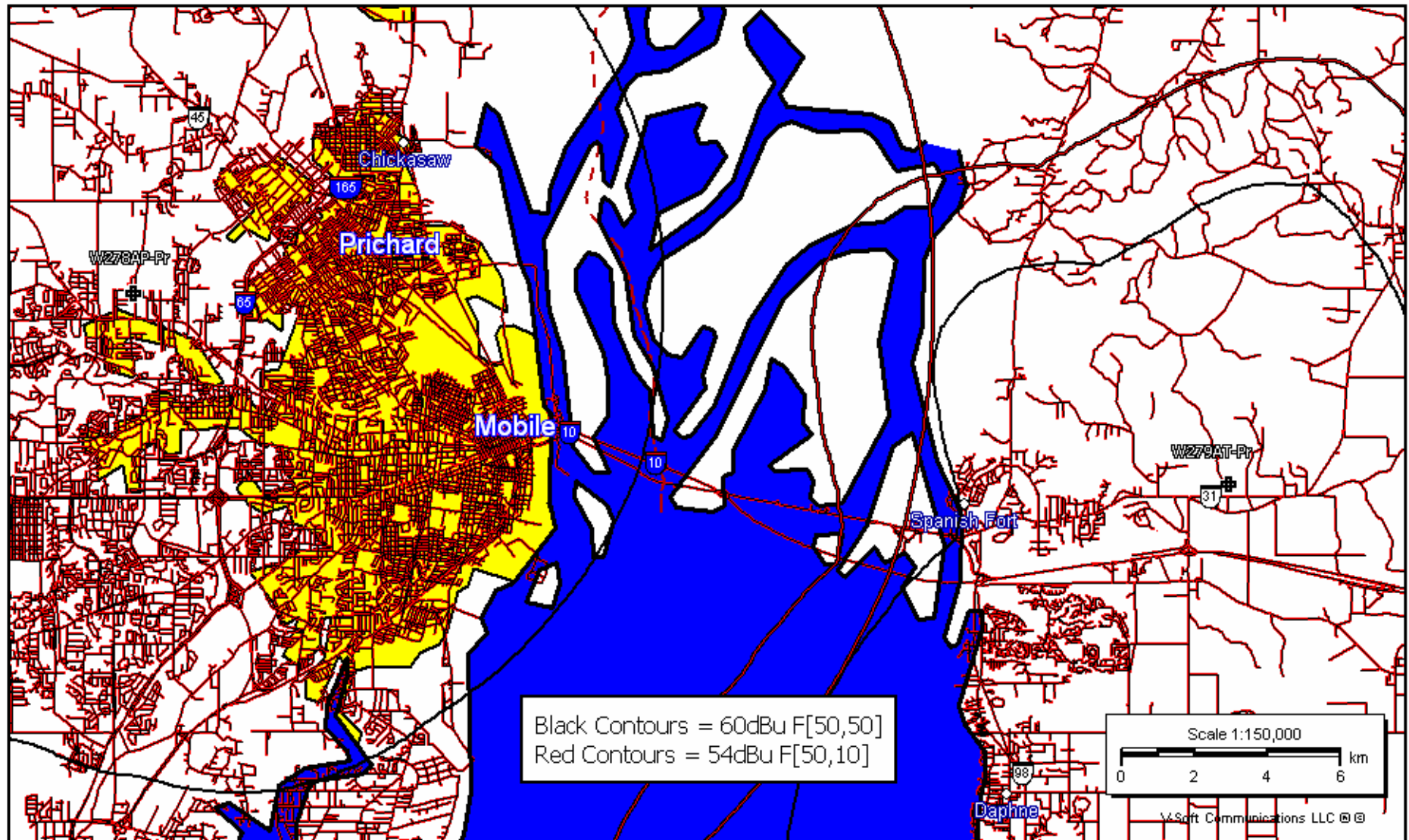
« = Station meets FCC minimum distance spacing for its class.

/1 Waiver requested herein due to interfering contour not reaching populated area or any public areas. See following pages for Waiver Request of 47CFR74.1204.

/2 This is the subject facility of this application.

/3 This is the other proposed facility for the contingent facilities referenced in Exhibit 12. Please see next page for the contour map.

Contours for Proposed Contingent Applications



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 WDLT-FM, channel 281C, in Saraland, AL, the Protected Station. The predicted contour at the proposed site for this amendment is 75.5 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 115.5 dBu F[50,10].

The antenna is proposed to be located with radiation center 103 meters AGL transmitting 0.195 KW ERP. The predicted interfering contour at maximum radiation outward is approximately 164 meters.

Applicant proposes to use a BEXT antenna model TFC2K-2-75WS, which is a two-bay antenna with $\frac{3}{4}$ wavelength vertical bay spacing. A graphical representation of radiation in the vertical plane is displayed in **Figure 1**.

Field strength at various elevation angles were provided by the antenna manufacturer and displayed **Table 1** at the end of this exhibit. Columns with calculated field dB and the contour distance in meters which were also calculated both in elevation radial form and for plotting in plane coordinates. The lowest radiation from the major and minor lobes are highlighted by yellow in the table.

The lowest actual interference area extends 36.7 meters down from the 94.1 meter radiation center and hovers more than 57 meters ($94.1\text{m} - 36.7\text{m} = 57.4\text{m}$) above site reference elevation. Therefore, the lowest radiation hovers far above the highest ground level within the Affected Area.

There is no residence, no business, no public road nor any other location within the actual area of interference to the Affected Station, which is actually hovering above locations where the public would normally be located. Therefore, the interference area is limited to an area where there are no public places.

TFC2K-2-75WS

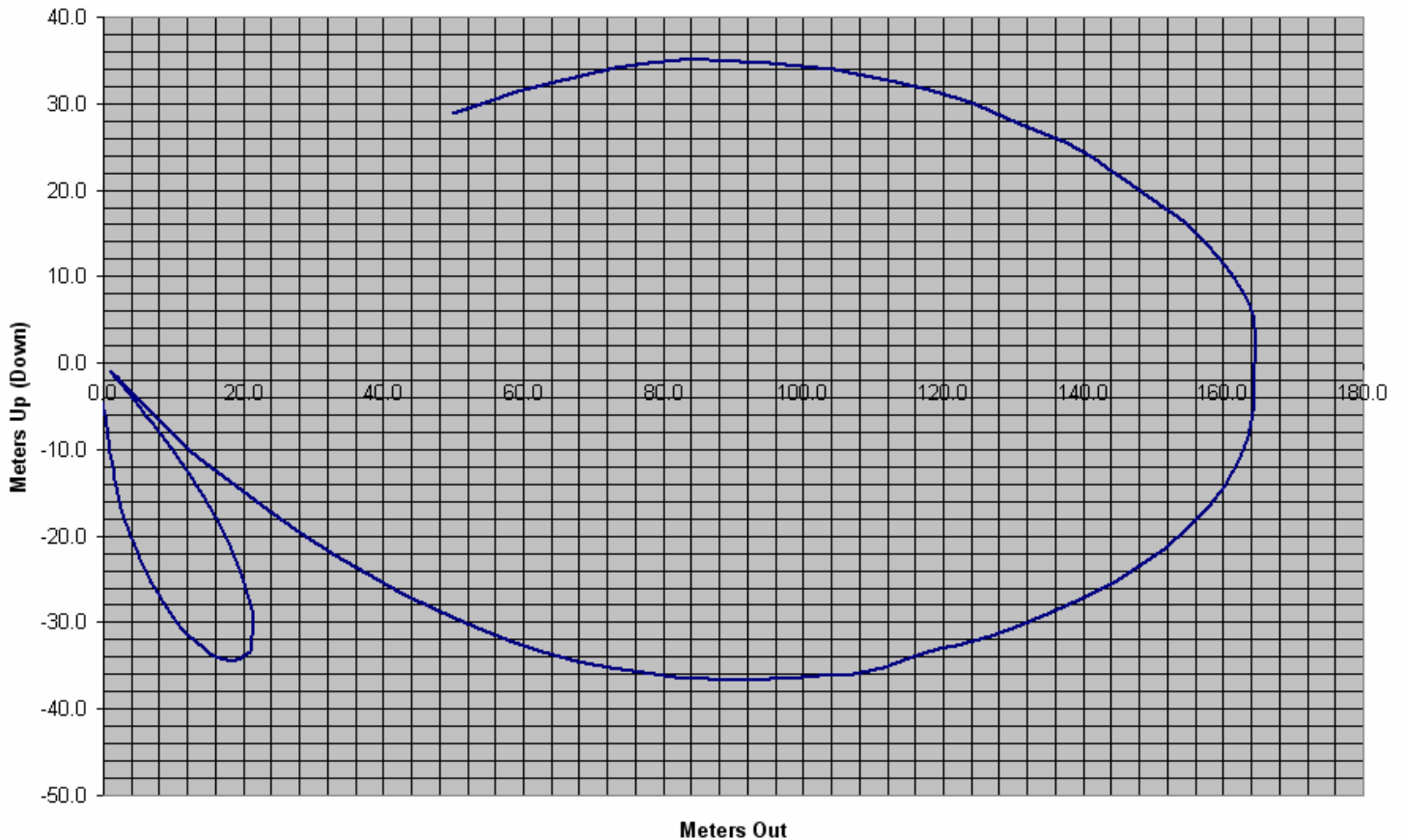


Figure 1

Request for Waiver

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 the Protected Station.

Table I

TFC2K275.DAT

ELEV ANGLE	FIELD STRENGTH	FIELD DB	ELEV ERP(KW)	ELEV DBK	115.50DBU CNTR(M)	DISTANCE OUT(M)	DISTANCE UP(DOWN)	ELEVATION AMSL(M)
=====	=====	=====	=====	=====	=====	=====	=====	=====
-90	0.028	-31.10	0.0002	-38.20	4.6	0.0	-4.6	141.3
-88	0.036	-28.80	0.0003	-35.90	6.0	0.2	-6.0	139.9
-86	0.054	-25.40	0.0006	-32.50	8.8	0.6	-8.8	137.1
-84	0.073	-22.70	0.0010	-29.80	12.0	1.3	-12.0	133.9
-82	0.093	-20.60	0.0017	-27.70	15.3	2.1	-15.2	130.7
-80	0.114	-18.90	0.0025	-26.00	18.7	3.2	-18.4	127.5
-78	0.132	-17.60	0.0034	-24.70	21.7	4.5	-21.2	124.7
-76	0.151	-16.40	0.0045	-23.50	24.9	6.0	-24.1	121.8
-74	0.168	-15.50	0.0055	-22.60	27.6	7.6	-26.5	119.4
-72	0.184	-14.70	0.0066	-21.80	30.3	9.4	-28.8	117.1
-70	0.200	-14.00	0.0078	-21.10	32.8	11.2	-30.8	115.1
-68	0.211	-13.50	0.0087	-20.60	34.7	13.0	-32.2	113.7
-66	0.224	-13.00	0.0098	-20.10	36.8	15.0	-33.6	112.3
-64	0.232	-12.70	0.0105	-19.80	38.1	16.7	-34.2	111.7
-62	0.237	-12.50	0.0110	-19.60	39.0	18.3	-34.4	111.5
-60	0.240	-12.40	0.0112	-19.50	39.4	19.7	-34.2	111.7
-58	0.240	-12.40	0.0112	-19.50	39.4	20.9	-33.4	112.5
-56	0.232	-12.70	0.0105	-19.80	38.1	21.3	-31.6	114.3
-54	0.221	-13.10	0.0096	-20.20	36.4	21.4	-29.4	116.5
-52	0.202	-13.90	0.0079	-21.00	33.2	20.4	-26.1	119.8
-50	0.178	-15.00	0.0062	-22.10	29.2	18.8	-22.4	123.5
-48	0.146	-16.70	0.0042	-23.80	24.0	16.1	-17.9	128.0
-46	0.107	-19.40	0.0022	-26.50	17.6	12.2	-12.7	133.2
-44	0.060	-24.40	0.0007	-31.50	9.9	7.1	-6.9	139.0
-42	0.008	-42.10	0.0000	-49.20	1.3	1.0	-0.9	145.0
-40	0.050	-26.00	0.0005	-33.10	8.2	6.3	-5.3	140.6
-38	0.112	-19.00	0.0025	-26.10	18.4	14.5	-11.4	134.5
-36	0.176	-15.10	0.0060	-22.20	28.9	23.4	-17.0	128.9
-34	0.243	-12.30	0.0115	-19.40	39.9	33.1	-22.3	123.6
-32	0.305	-10.30	0.0182	-17.40	50.2	42.6	-26.6	119.3
-30	0.372	-8.60	0.0269	-15.70	61.1	52.9	-30.5	115.4
-28	0.432	-7.30	0.0363	-14.40	70.9	62.6	-33.3	112.6
-26	0.490	-6.20	0.0468	-13.30	80.5	72.4	-35.3	110.6
-24	0.543	-5.30	0.0575	-12.40	89.3	81.6	-36.3	109.6
-22	0.596	-4.50	0.0692	-11.60	97.9	90.8	-36.7	109.2
-20	0.646	-3.80	0.0813	-10.90	106.1	99.7	-36.3	109.6
-18	0.700	-3.10	0.0955	-10.20	115.1	109.4	-35.6	110.3
-16	0.741	-2.60	0.1072	-9.70	121.9	117.1	-33.6	112.3
-14	0.794	-2.00	0.1230	-9.10	130.6	126.7	-31.6	114.3
-12	0.841	-1.50	0.1380	-8.60	138.3	135.3	-28.8	117.1
-10	0.891	-1.00	0.1549	-8.10	146.5	144.3	-25.4	120.5
-8	0.933	-0.60	0.1698	-7.70	153.4	151.9	-21.4	124.5

Minor Change Application FCC Form 349 Exhibit No. 13B

-6	0.966	-0.30	0.1820	-7.40	158.8	157.9	-16.6	129.3
-4	0.989	-0.10	0.1906	-7.20	162.5	162.1	-11.3	134.6
-2	1.000	0.00	0.1950	-7.10	164.4	164.3	-5.7	140.2
0	1.000	0.00	0.1950	-7.10	164.4	164.4	0.0	145.9
2	1.000	0.00	0.1950	-7.10	164.4	164.3	5.7	151.6
4	0.977	-0.20	0.1862	-7.30	160.7	160.3	11.2	157.1
6	0.944	-0.50	0.1738	-7.60	155.2	154.4	16.2	162.1
8	0.902	-0.90	0.1585	-8.00	148.2	146.8	20.6	166.5
10	0.861	-1.30	0.1446	-8.40	141.5	139.4	24.6	170.5
12	0.813	-1.80	0.1288	-8.90	133.6	130.7	27.8	173.7
14	0.767	-2.30	0.1148	-9.40	126.2	122.4	30.5	176.4
16	0.716	-2.90	0.1000	-10.00	117.7	113.2	32.5	178.4
18	0.668	-3.50	0.0871	-10.60	109.9	104.5	34.0	179.9
20	0.617	-4.20	0.0741	-11.30	101.4	95.3	34.7	180.6
22	0.569	-4.90	0.0631	-12.00	93.5	86.7	35.0	180.9
24	0.519	-5.70	0.0525	-12.80	85.3	77.9	34.7	180.6
26	0.462	-6.70	0.0417	-13.80	76.0	68.3	33.3	179.2
28	0.407	-7.80	0.0324	-14.90	67.0	59.1	31.4	177.3
30	0.351	-9.10	0.0240	-16.20	57.7	49.9	28.8	174.7
TFC2K275.DAT					MAX:	164.4m	-36.7m	109.2m