

**Searching at ASR 1055056**  
**TeleSouth Communications, Inc.**

REFERENCE CH# 292D - 106.3 MHz, Pwr= 0.25 kW, HAAT= 112.3 M, COR= 126.8 M DISPLAY DATES  
 30 27 30.3 N. Average Protected F(50-50)= 13.6 km DATA 09-24-19  
 89 04 45.9 W. Omni-directional SEARCH 09-26-19

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
292C2 Petal	WZLD	LIC	CX MS	357.4 177.4	118.58 BLH20091009ACM	31 31 37.0 89 08 07.0	10.500 324	124.5 394	52.0 Cc Li censes,	-19.1*	21.6
290C3 Pascagoula	WXYK	LIC	CX MS	102.0 282.1	28.36 BMLH20101019ABT	30 24 19.0 88 47 26.0	25.000 95	4.0 98	38.2 Tel esouth Communi cations,	10.2	-11.0*
291C2 Piscataway	WRKN	LIC	CX MS	274.7 94.2	90.57 BLH20040226AAA	30 31 17.0 90 01 12.0	28.000 201	77.0 219	52.2 Radi o Li cense Hol ding Cbc,	0.1	18.2
293C2 Daphne	WAVH	LIC	NCX AL	71.2 251.7	93.79 BLH20130522ACA	30 43 34.0 88 09 06.0	50.000 142	73.0 172	47.7 Bl gler Broadcasti ng, Li c	7.1	25.4
294C1 Port Sulphur	KKND	LIC	CY LA	222.4 42.1	97.54 BMLH19960506KC	29 48 30.0 89 45 42.0	100.000 299	10.1 299	72.3 Radi o Li cense Hol ding Cbc,	73.5	24.2

Terrain database is USGS 03 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.  
 All separation margins (if shown) include rounding.  
 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 restricted contour.  
 Reference station has protected zone issue: AM tower

Short space to second-adjacent WXYK will be cured using Section 74.1204(d)

**Bromo Communications, Inc.**

## **Clearance to WXYK (FM)**

**This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to WXYK (FM), Pascagoula, MS. However, Section 74.1204(d) instructs us:**

*“In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.”*

**WXYK places 65.7 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 65.7 dBu signal produces an interfering contour of 105.7 dBu. The proposed antenna is a Nicom BKG77-4 (0.5 wavelength spaced) antenna. The manufacturer supplied the vertical pattern of this antenna and the location of the 105.7 dBu interfering contour was plotted. The interfering lobe stays in the air and never touches the ground. The closest this interference comes to the ground is 12.1 meters (40 feet) occurs 361.7 meters from the tower base. The 105.7 dBu signal at this location is created by the 16 degree elevation of the antenna. Since this interference never touches the ground, there are no listeners to be adversely affected. See the attached plot of the interfering contour.**

**In conclusion, based on the foregoing explanation showing that no persons will receive interference, it is thought this application is in compliance with Section 74.1204 using Section 74.1204(d).**

<b>Bromo Communications, Inc.</b>
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# 105.7 dBu Interference Nicom BKG 77 4-Bay 1/2 Wave

