

**Allocation Study**  
**New FM Translator**  
Channel 291D – 106.1 MHz  
0.250 kW ERP – 299m COR AMSL  
China Grove, North Carolina  
March 2018

Searching from Proposed Site

REFERENCE		CH# 291D - 106.1 MHz, Pwr= 0.25 kW DA, HAAT= 0.0 M, COR= 299 M								DISPLAY DATES	
35 34 21.0 N.		Average Protected F(50-50)= 7.1 km								DATA	03-07-18
80 35 22.0 W.		Standard Directional								SEARCH	03-07-18
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*
293C1 Salisbury	WEND	LIC	CN NC	301.6 121.6	4.18 BLH19990302KD	35 35 32.0 80 37 44.0	84.000 9.8 319	552	71.4 Capstar Tx, Lic	-7.7*	-67.3*
291C2 Waxhaw	WOLS	LIC	NCX NC	193.7 13.6	78.80 BLH20081014ADN	34 53 01.0 80 47 37.0	21.000 188	121.8 358	47.1 Ghb Of Waxhaw, Inc.	-49.1*	19.0
291D China Grove	17730891	APP	DH NC	0.0 0.0	0.00 BNPFT20170802AAZ	35 34 21.0 80 35 22.0	0.250	0.00 299	0.00 South Rowan Broadcasting C	-64.5R	64.5M
290D Statesville	1762615	APP	DC NC	276.4 96.3	22.97 BNPFT20170726AAX	35 35 43.0 80 50 31.0	0.250 21.5	384	13.7 Iredell Broadcasting, Inc	0.1	6.3
291C3 Jefferson	WMMY	LIC	NCN NC	313.5 132.9	123.27 BLH20000104ABR	36 19 53.0 81 35 17.0	10.500 155	115.8 1226	47.3 High Country Adventures, L	3.9	68.2
291D Lexington	W291DD	CP	DC NC	30.1 210.3	77.55 BMPFT20170707AAV	36 10 31.7 80 09 24.0	0.250 51.8	417	15.9 Clearcast, Inc.	14.3	22.8
291C1 Knightdale	WTKK	LIC	C NC	85.9 267.1	186.66 BLH20090601APS	35 40 28.0 78 31 40.0	27.500 489	162.1 567	71.4 Capstar Tx, Lic	15.6	87.0
289C1 Clemmons	WVBZ	LIC	NCX NC	12.4 192.6	91.59 BLH20110902AAJ	36 22 36.4 80 22 08.6	30.000 472	8.6 794	74.1 Clear Channel Broadcasting	72.2	16.8
291D Greensboro	1776734	APP	DV NC	57.1 237.6	81.86 BNPFT20180125AFE	35 58 10.2 79 49 30.5	0.099 39.3	530	11.6 Rcr Of Randolph County, Lt	33.2	36.1
289D Pineville	W289BO	CP	C NC	212.2 32.0	49.01 BPFT20170718ADA	35 11 56.4 80 52 35.9	0.250 1.1	332	13.0 Truth Broadcasting Corpora	43.7	35.5
289D Pineville	W289BO	LIC	DC NC	212.2 32.0	49.01 BLFT20120725AIIH	35 11 56.4 80 52 35.9	0.250 130	1.1 332	13.0 Truth Broadcasting Corpora	43.7	35.5
238C1 High Point	WHPE-FM	LIC	CX NC	52.4 232.8	63.61 BMLED20140602AZZ	35 55 11.0 80 01 47.0	100.0000.0 159	399	0.0 Bible Broadcasting Network	21.5R	42.1M
290D Hickory	W290CW	LIC	C NC	285.2 104.8	64.32 BLFT20160915AAJ	35 43 20.0 81 16 38.0	0.250 19.8	391	12.8 Newton-conover Communi cati	42.4	48.4
290L1 Troy	WURE-LP	LIC	NC	110.2 290.6	67.07 BLL20161222AAV	35 21 43.0 79 53 43.0	0.037 49	224	48.8 Uwharrie Mountain Radio	48.1	

Terrain database is NED 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. Call signs with exclamation marks need not be protected.  
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.  
< = Station meets FCC minimum distance spacing for its class.  
Reference station has protected zone issue: AM tower