

# CHANNEL STUDY FOR NEW TRANSLATOR AT JOHNSON CITY, TN

REFERENCE		CH# 229D - 93.7 MHz, Pwr= 0.25 kW DA, HAAT= 0.0 M, COR= 628 M							DISPLAY DATES		
36 19 42.0 N.		Average Protected F(50-50)= 7.09 km							DATA 03-26-18		
82 24 40.0 W.		Standard Directional							SEARCH 03-27-18		
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* in km)	
229D Johnson City	1772970	APP DC_ TN	38.9 218.9	0.03 BNPFT20170802ABT	36 19 43.0 82 24 39.0	0.250	43.9 628	12.8 Robert H Morrison	-55.5*	-51.4*	
229C Greenville	WFBC-FM	LIC _CX SC	187.5 7.4	136.38 BLH20021022AAJ	35 06 43.0 82 36 24.0	100.000 552	177.9 1150	75.9 Entercom License, LIc	-54.8*	14.8	
230C Marion	WMEV-FM	LIC DEX VA	50.3 230.8	100.27 BLH20060512AAB	36 54 04.0 81 32 35.0	100.000 452	127.7 1187	83.8 Bristol Broadcasting Compa	-36.6*	0.6	
228C2 Big Stone Gap	WAXM	LIC _CN VA	326.6 146.3	78.09 BLH19911016KB	36 54 50.0 82 53 40.0	2.450 574	81.6 1310	55.3 Valley Broadcasting And Co	-19.2*	0.6	
229D Greenville	W229BA	LIC _C_ TN	245.1 64.9	41.63 BLFT20060615ABL	36 10 12.0 82 49 55.0	0.010 124	18.8 551	5.0 10.0 Positive Alternative Radio		1.3	
232D Kingsport	W232BP	LIC DC_ TN	324.6 144.5	27.09 BLFT20070907AFM	36 31 37.0 82 35 12.0	0.250 285	1.1 733	19.3 11.2 Holston Valley Broadcastin		6.0	
227D Bristol	1760586	APP DC_ VA	33.7 213.9	40.47 BNPFT20170726AMA	36 37 51.0 82 09 33.0	0.250	1.1 669	17.3 24.1 Awaken Broadcasting Inc.		22.5	
227D Bristol	1779924	APP DC_ VA	33.7 213.9	40.47 BNPFT20180314AAW	36 37 51.0 82 09 33.0	0.250	1.1 669	17.3 24.1 Awaken Broadcasting Inc.		22.5	
228D West Jefferson	W228CW	LIC _C_ NC	79.6 260.1	83.85 BLFT20140609ABN	36 27 40.4 81 29 19.4	0.235	46.4 1446	29.7 26.2 Caddell Broadcasting, Inc.		38.4	
227C Forest City	WTPT	LIC _C_ NC	172.2 352.3	118.53 BMLH19950626KB	35 16 19.0 82 14 00.0	93.000 619	12.0 1041	87.9 94.2 Entercom Li cense, LI c		27.1	
282A Surgoinsville	WEYE	LIC NCX TN	303.7 123.4	41.55 BMLED20120629AAA	36 32 05.0 82 47 52.0	4.100 121	0.0 579	0.0 9.5R Positive Alternative Radio		32.1M	
282A Surgoinsville	AL9473	RSV-A TN	302.2 122.0	47.07 RM10197	36 33 11.0 82 51 23.0	6.000 100	0.0 558	0.0 9.5R		37.6M	
232C2 Jenkins	WIFX-FM	LIC ZEX KY	348.8 168.6	95.01 BLH20070511ACW	37 09 59.0 82 37 13.0	6.300 410	4.5 956	51.1 73.3 Aj spd, LI c		42.2	
229D Tazewell	1771039	APP _C_ TN	277.6 96.9	104.71 BNPFT20171211ADC	36 26 50.2 83 34 18.4	0.250	31.7 470	7.9 60.0 Wntt, Inc		45.6	
229D Tazewell	1762308	APP _C_ TN	277.6 96.9	104.73 BNPFT20170726ABU	36 26 49.0 83 34 19.0	0.250	31.5 469	8.0 59.9 Wntt, Inc		45.7	
231D Weaverville	W231AR	LIC _C_ NC	170.3 350.4	66.91 BLFT20060126ANW	35 44 06.0 82 17 10.0	0.010 922	0.2 2009	16.3 54.7 Radio Trai ning Network, In		49.3	

Terrain database is 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.  
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