

Proposed WSYD(AM) Translator - Mt. Airy, NC

Granite City Broadcasting, Inc.

CH# 286D - 105.1 MHz, Pwr= 0.25 kW, HAAT= -2.7 M, COR= 416 M

Average Protected F(50-50)= 7.09 km

Omni-directional

DISPLAY DATES

DATA 07-24-16

SEARCH 07-26-17

REFERENCE  
36 32 03.5 N.  
80 35 47.8 W.

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
289C1 Clemmons	WVBZ	LIC NCX NC	130.7 310.8	26.86 BLH20110902AAJ	36 22 36.4 80 22 08.6	30.000 472	8.4 794	69.9 Clear Channel	11.0	-44.2* Broadcasting
285D Mount Airy Translator For	W285DJ	LIC _CN NC	130.7 310.8	26.63 BLFT19941212TG	36 22 41.0 80 22 16.0	0.010 381	15.4 702	10.9 Triad Family Network, Inc,	3.7	5.0
286C1 Durham	WDCG	LIC NCX NC	119.2 300.2	184.20 BLH20080310ADT	35 42 50.0 78 49 04.0	73.000 339	169.8 443	72.5 Capstar Tx, LI c	7.3	88.0
283C Blufield	WHAJ	LIC _EY WV	326.7 146.4	95.49 BLH20000330ACB	37 15 05.0 81 11 20.0	100.000 472	12.2 1276	84.0 Alpha Media Licensee LI c	76.2	10.4
286L1 Winston-salem	WFOZ-LP	LIC _ NC	150.6 330.8	59.26 BLL20150327AMZ	36 04 09.0 80 16 20.0	0.100 17	270	29.9 Forsyth Technical Communit	16.8	16.8
287C3 Blacksburg	WBRW	LIC ZCN VA	8.0 188.1	73.11 BLH19960906KZ	37 11 12.0 80 28 54.0	12.000 146	49.1 753	32.4 Cumulus Li censi ng LI c	16.9	30.5
285C2 Roanoke	WJJS	LIC ZCX VA	32.3 212.7	110.51 BLH20040723ADP	37 22 23.0 79 55 40.0	14.500 282	85.6 699	58.2 Capstar Tx, LI c	17.9	42.2
287C1 Gaffney	WOSF	LIC _CX SC	202.4 22.0	140.33 BLH20100429ADK	35 21 51.0 81 11 13.0	51.000 395	106.8 644	72.6 Gaffney Broadcasting, LI c	22.9	52.7
233C1 Eden	WPTI	LIC DE_ NC	108.5 288.9	65.13 BMLH20010514AAN	36 20 48.0 79 54 30.0	100.000 299	12.8 522	58.8 Clear Channel Broadcasting	21.5R	43.6M
233C1 Eden	WPTI	LIC DEX NC	108.6 289.0	65.33 BLH20150227ABY	36 20 42.0 79 54 24.0	100.000 299	12.8 519	58.8 Clear Channel Broadcasting	21.5R	43.8M
285D Jamestown	W285EU	LIC _C_ NC	140.4 320.7	83.31 BLFT20140514AAM	35 57 20.0 80 00 22.0	0.099	12.2 330	8.6 Eastern Airwaves, LI c	62.0	61.9
284C0 Charlotte	WKQC	LIC DCY NC	183.3 3.2	142.54 BLH19920416KB	35 15 06.0 80 41 12.0	100.000 369	11.0 570	77.2 Wk's License Limited Partn	119.3	64.2

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
Contour distances are on direct line to and from reference station. Reference 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)

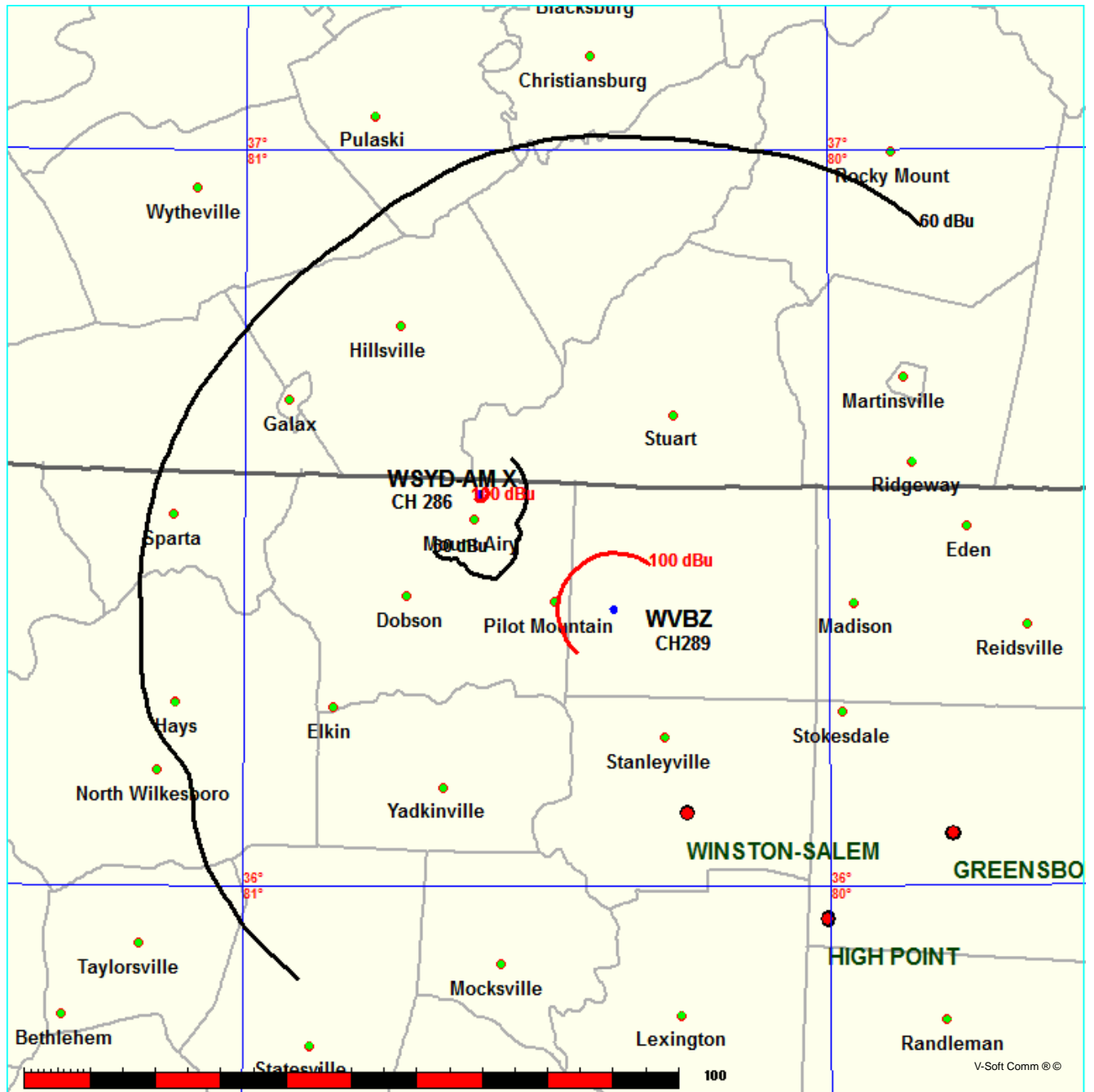
"\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

Proposed FM Translator, Mount Airy, NC  
Prop FM Translator vs WVBZ, Clemmons, NC

FMCommander Single Allocation Study - 01-24-2018 - NGDC 30 SEC  
WSYD-AM X's Overlaps (In= 10.97 km, Out= -44.16 km)

WSYD-AM X CH 286 D  
Lat= 36 32 03.5, Lng= 80 35 47.8  
0.25 kW -2.7 m HAAT, 416 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

WVBZ CH 289 C1 73.215 N BLH20110902AAJ  
Lat= 36 22 36.4, Lng= 80 22 08.6  
30.0 kW 472 m HAAT, 794 m COR  
Prot.= 60 dBu, Intef.= 100 dBu



Proposed WSYD-AM Translator, Mt. Airy, NC  
Prop Translator vs W285DJ

FMCommander Single Allocation Study - 01-24-2018 - NGDC 30 SEC  
WSYD-AM X's Overlaps (In= 3.72 km, Out= 4.96 km)

WSYD-AM X CH 286 D  
Lat= 36 32 03.5, Lng= 80 35 47.8  
0.25 kW -2.7 m HAAT, 416 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

W285DJ CH 285 D BLFT19941212TG  
Lat= 36 22 41.0, Lng= 80 22 16.0  
0.01 kW 381 m HAAT, 702 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

