

Don Mussell Consulting Engineer
Broadcast Engineering Services of Bonny Doon, Inc.

Harlan Translator Modification

Allocation Study

REFERENCE	CH#	270D	- 101.9 MHz,	Pwr= 0.01 kw,	HAAT=282.8 M,	COR= 858 M	DISPLAY DATES
36 54 09 N.							DATA 11-26-05
83 18 01 W.							SEARCH 12-06-05
	Ave. F(50-10)	40 dBu= 32.7	54 dBu= 13.8	80 dBu= 2.0	100 dBu= .2		

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
270D Hazard	W270BA	CP KY	C	27.0 207.1	33.56 BNPFT20030829AFB	37 10 18 83 07 42	0.010 151	623 24.0	7.1 Philip H. Hayes	5.84 11.38
268C Johnson City	WQUT	LIC TN	CY	129.1 309.7	111.11 BMLH19980904KD	36 16 07 82 20 21	100.000 537	1069 12.9	88.9 Citadel Broadcasting Compa	91.30 22.05
270A Brodhead	NEW .C	CP KY	ZCX	306.6 126.0	113.03 BNPH20050103AEU	37 30 14 84 19 40	4.962 53	438 73.7	20.2 Radioactive, Llc	38.03 85.20
272A Pound	WDXC	LIC VA	CN	64.3 244.7	64.57 BMLH19921221KA	37 09 07 82 38 41	0.350 271	956 1.3	23.3 Wdxc Radio, Inc.	62.32 41.28
271C1 Sevierville	WWST	LIC TN	CN	195.3 15.1	125.51 BLH19860519KF	35 48 41 83 40 08	15.000 682	981 110.5	75.2 Journal Broadcast Corporat	3.83 34.08
273D Middlesboro	W273AY	CP KY	DV	235.6 55.3	51.24 BPFT20050509ABD	36 38 29 83 46 25	0.005 508	936 0.2	10.3 Eastern Kentucky Universit	44.06 40.85
273D Middlesboro	W273AY	LIC KY	DV	235.6 55.3	51.24 BLFT20050307ACY	36 38 29 83 46 25	0.005 508	936 0.2	10.3 Eastern Kentucky Universit	44.06 40.85
270B Logan	WVOWFM	LIC WV	EN	47.5 228.3	158.43 BLH4605	37 51 28 81 58 16	15.000 232	643 121.2	61.8 Logan Broadcasting Corp.	35.53 84.18
271A Beattyville	WLJC	LIC KY	CN	337.5 157.3	85.46 BLH20031028AAP	37 36 47 83 40 18	1.500 198	492 42.2	28.0 Hour of Harvest, Incorpora	38.95 50.38
273D Sneedville	W273AI	CP TN	C	169.5 349.5	58.85 BNPFT20030708AAZ	36 22 52 83 10 48	0.010 336	825 0.2	10.7 Cumberland Communities Com	48.19 47.94
272D Kingsport	AP272	APP TN	C	123.1 303.5	76.11 BNPFT20030313AQD	36 31 37 82 35 15	0.010 270	711 0.2	9.6 Appalshop, Inc	70.82 66.40

ERP and HAAT are on direct line to and from reference station.