

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

Big Stone Gap Upgrade
Allocation Study

REFERENCE	CH#	201D	- 88.1 MHz, Pwr= 0.09 kW, HAAT=350.0 M, COR= 1038 M	DISPLAY DATES
36 50 26 N			Average Protected F(50-50)= 18.92 km	DATA 01-08-05
82 44 14 W	Ave. F(50-10)	40 dBu= 60.5	54 dBu= 28.1 80 dBu= 5.0 100 dBu= .7	SEARCH 02-26-05

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*
201D Big Stone Gap Translator for WMMT, Whitesburg, Ky	W201AJ	LIC DHN VA	0.0 180.0	0.00 BLFT19920629TD	36 50 26 82 44 14	0.001 403	1038 22.1	5.4 Appalshop, Inc.	-38.96*<	-61.81*<
204C1 Whitesburg	WMMT	LIC DEN KY	360.0 180.0	29.96 BLED19951023KA	37 06 38 82 44 15	1.734 271	1018 2.5	33.8 Appalshop, Incorporated	10.54	-4.31*<
201D Coeburn Translator for WMMT, Whitesburg, Ky	W201AI	LIC DHN VA	60.3 240.3	24.31 BLFT19920629TE	36 56 55 82 30 00	0.000 -77	868 0.0	0.0 Appalshop, Inc.	22.70	20.07
202D Norton Translator for WMMT, Whitesburg, Ky	W202AL	LIC DHN VA	40.0 220.0	14.69 BLFT19920814TD	36 56 30 82 37 51	0.007 161	782 9.6	6.7 Appalshop, Inc.	2.12<	2.66<
202C2 Kingsport	WCQRFM	LIC DCN TN	130.2 310.2	70.26 BLED19961120KB	36 25 53 82 08 16	1.200 789	1276 78.5	52.6 Positive Alternative Radio	-10.10<	14.10
203A Sneedville	WSDC	LIC V TN	228.4 48.4	58.06 BLED20000928ABJ	36 29 36 83 13 23	0.150 76	522 0.9	10.0 Duck Creek Baptist Church	55.33	48.08
06Z2C Knoxville	WATETV	LI HY TN	229.6 49.6	142.55 BLCT20020726ABM	36 00 13 83 56 35	100.000 537	858	123.6 Wate, G.p.	To Grd B=	18.97

ERP and HAAT are on direct line to and from reference station.
"*"Affixed to 'IN' or 'Out' values = site inside protected contour. "<" = Contour Overlap