

Channel Study

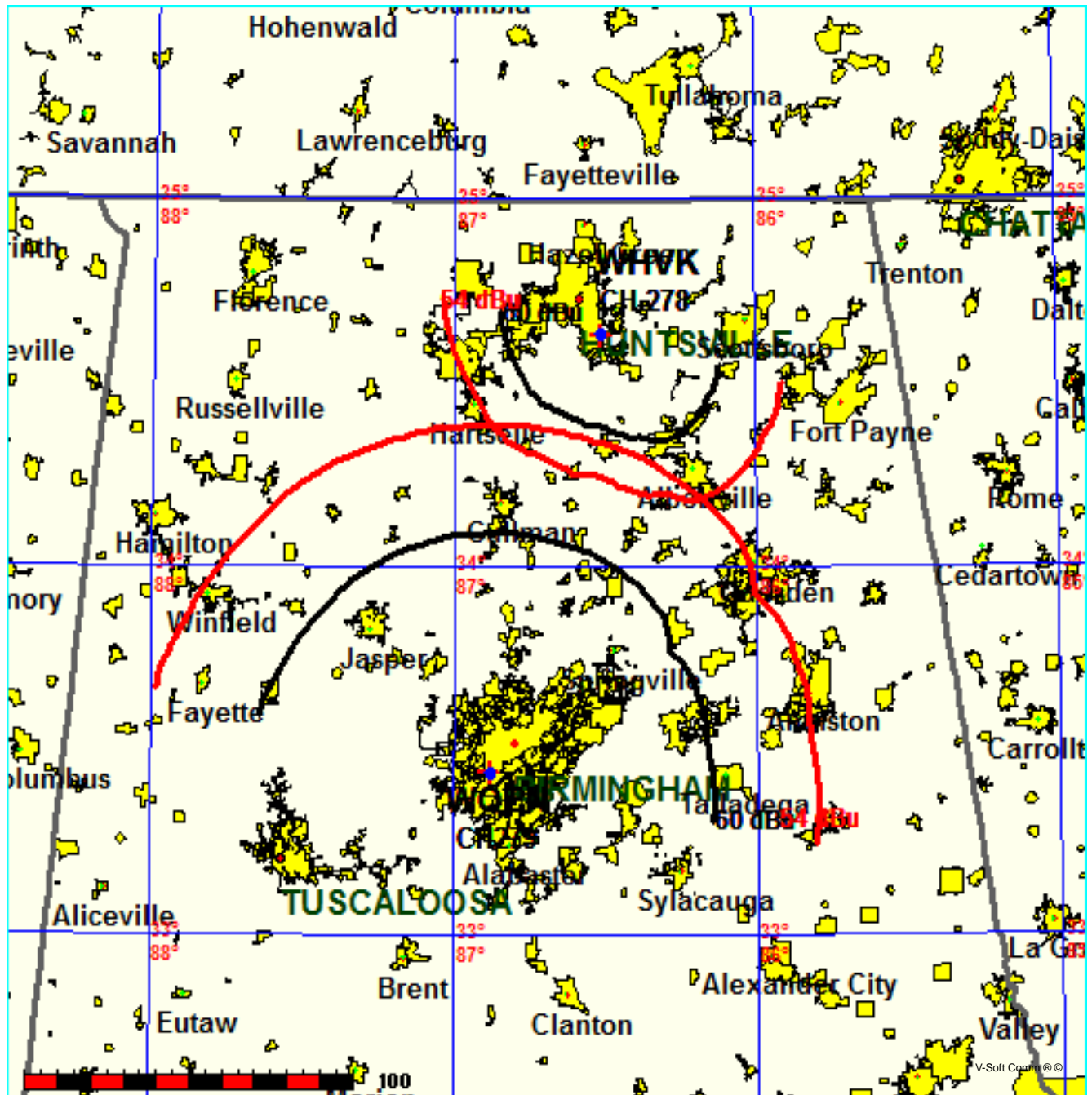
REFERENCE		CH# 278C3- 103.5 MHz, Pwr= 0.8 kW DA, HAAT= 463.7 M, COR= 690 M								DISPLAY DATES	
34 38 11.0 N.		Average Protected F(50-50)= 36.8 km								DATA 04-12-16	
86 30 42.0 W.		73.215 Directional								SEARCH 04-21-16	
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
278A	WHVK!	LIC	ZCX	0.0	0.00	34 38 11.0	0.290	75.8	25.6	-109.2	-116.0
New Hope			AL	0.0	BMLED20131212ATN	86 30 42.0	449	674	Educational Media Foundati		
275D	W275AA!	LIC	CN	349.8	11.42	34 44 16.0	0.010	0.2	7.8	-19.1*<	1.9
Huntsville			AL	169.8	BLFT19960229TB	86 32 02.0	290	518	Carol C. Parham		
280D	W280BA!	LIC	DC	314.5	28.91	34 49 06.0	0.099	0.7	18.9	-7.7*<	8.4
Madison			AL	134.3	BLFT20081028ACS	86 44 16.0	326	561	Cumulus Licensing Llc		
278A	WLAY-FM%	LIC	NCX	272.5	110.23	34 40 27.0	3.300	83.3	28.2	118.5R	-8.3M
Littleville			AL	91.8	BLH20060908AAI	87 42 48.0	118	297	Urban Radio Licenses, Llc		
225D	W225AH<!	LIC	DC	351.0	12.01	34 44 36.0	0.030	75.8	25.6	11.5R	0.51M
Huntsville			AL	171.0	BLFT20100223AEK	86 31 56.0	276	507	Frc Of Alabama, Llc D/b/a		
279C1	WQEN	LIC	CX	194.4	136.56	33 26 38.0	100.000	105.0	72.3	4.4	22.2
Trussville			AL	14.2	BLH20050715ABB	86 52 47.0	285	466	Capstar Tx, Llc		
277C0	WKDF	LIC	CN	349.0	158.22	36 02 08.0	100.000	114.5	77.4	13.3	34.7
Nashville			TN	168.8	BLH19820818AB	86 50 56.0	376	611	Radio License Holding Cbc,		
276C3	WEUP-FM<	LIC	C	249.5	58.21	34 27 08.0	11.500	4.1	40.5	42.5R	15.7M
Moulton			AL	69.2	BLH20000502AAP	87 06 20.0	150	347	Hundley Batts, Sr. & Virgi		
224A	WAFN-FM<	LIC	NCX	168.5	33.03	34 20 40.6	1.150	75.8	25.6	11.5R	21.5M
Arab			AL	348.5	BLH20120629ACR	86 26 23.3	202	470	Fun Media Group, Inc.		
279D	W279CX!	LIC	DC	323.2	89.83	35 16 56.0	0.080	15.5	10.8	38.7	24.0
Columbia			TN	142.9	BLFT20150915AGE	87 06 18.0		443	Roger Wright DbA Prospect		
279C3	AL2132<	RSV-A		56.7	123.97	35 14 32.0	25.000	69.2	46.5	98.5R	25.5M
Walden			TN	237.4	RM10053	85 22 17.0	100	556			
279C3	WKXJ<	LIC	CX	63.6	124.16	35 07 33.0	25.000	47.3	28.8	98.5R	25.7M
Walden			TN	244.3	BLH20080625ACA	85 17 25.0	89	429	Citicasters Licenses, Inc.		
280L1	WFTP-LP<	LIC		105.2	75.29	34 27 25.0	0.096			39.5R	35.8M
Fort Payne			AL	285.6	BLL20150209AAI	85 43 14.0	31	401	Fort Payne Church Of Chris		
278L1	WCOC-LP<	CP		142.6	113.95	33 49 10.6	0.100			77.5R	36.5M
Jacksonville			AL	323.0	BNPL20131106ADG	85 45 41.4	-31	214	The Jacksonville Church Of		
275A	WKXX<	LIC	CN	159.1	78.61	33 58 28.0	1.100	1.9	24.8	41.5R	37.1M
Attalla			AL	339.2	BLH19910909KD	86 12 24.0	214	456	Broadcast Media Llc		
278D	W259CD!	CP	C	96.6	150.35	34 28 17.8	0.250	45.5	13.3	68.6	39.1
Calhoun			GA	277.5	BFPT20160129AOT	84 53 08.4		324	Radio Webs, Inc		
276D	W276CJ!	LIC	C	40.6	85.65	35 13 11.0	0.010	0.2	7.4	48.8	76.3
Sewanee			TN	221.0	BLFT20150611ADQ	85 53 51.0	209	630	St. Andrew's-sewanee Schoo		
280D	W280ER!	LIC	DC	147.7	87.74	33 58 02.0	0.250	1.1	18.7	48.7	67.2
Gadsden			AL	328.0	BLFT20150826ABE	86 00 12.0		394	The Jeff Beck Broadcasting		
275C1	WBUZ<	LIC	CX	355.6	129.50	35 48 01.0	100.000	10.1	72.4	75.5R	54.0M
La Vergne			TN	175.6	BMLH20021209ABP	86 37 17.0	291	530	Wycq, Inc		

Terrain database is FCC 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= - Zone 2, 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.
< = Contour Overlap
% = Station Fails minimum 73.215 spacings. 73.215 spacings are used.

FMCommander Single Allocation Study - 04-21-2016 - FCC NGDC 30 Sec
WHVK's Overlaps (In= 4.43 km, Out= 22.2 km)

WHVK CH 278 C3 73.215 Z
Lat= 34 38 11.0, Lng= 86 30 42.0
0.8 kW 463.7 m HAAT, 690 m COR
Prot.= 60 dBu, Intef.= 54 dBu

WQEN CH 279 C1 BLH20050715ABB
 Lat= 33 26 38.0, Lng= 86 52 47.0
 100.0 kW 285 m HAAT, 466 m COR
 Prot.= 60 dBu, Intef.= 54 dBu



FMCommander Single Allocation Study - 04-21-2016 - FCC NGDC 30 Sec
WHVK's Overlaps (In= 13.25 km, Out= 34.68 km)

WHVK CH 278 C3 73.215 Z
Lat= 34 38 11.0, Lng= 86 30 42.0
0.8 kW 463.7 m HAAT, 690 m COR
Prot.= 60 dBu, Intef.= 54 dBu

WKDF CH 277 C0 BLH19820818AB
Lat= 36 02 08.0, Lng= 86 50 56.0
100.0 kW 376 m HAAT, 611 m COR
Prot.= 60 dBu, Intef.= 54 dBu

