

MINOR CHANGE APPLICATION
SHORELINE COMMUNICATIONS, INC.
NEW FM TRANSLATOR STATION
CH 279D - 103.7 MHZ - 0.25 KW
LIBERTY, KENTUCKY
April 2018

EXHIBIT B1

Clearance Study for New Translator
Using Proposed Site as Reference

REFERENCE		CH# 279D - 103.7 MHZ, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 376 M								DISPLAY DATES	
37 18 22.0 N.		Average Protected F(50-50)= 7.1 km								DATA 04-15-18	
84 55 02.0 W.		Omni-directional								SEARCH 04-15-18	
CH CITY	CALL	TYPE STATE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr (kW) HAAT (M)	INT (km) COR (M)	PRO (km) LICENSEE	*IN* (Overlap in km)	*OUT*
279D Liberty	1775801!	APP KY	C	0.0 0.0	0.00 BNPFT20180130ABA	37 18 22.0 84 55 02.0	0.250 376	0.00	0.00 Shoreline Communications,	-64.5R	64.5M
279C3 Cave City	WHHT	LIC KY	CN	248.5 67.8	103.60 BLH19930308KC	36 57 34.0 86 00 08.0	13.500 137	104.3 346	37.4 Newberry Broadcasting, Inc	-13.6*	23.2
281C3 Campbellsville	WCKQ	LIC KY	ZCN	274.7 94.4	40.67 BLH19950404KA	37 20 07.0 85 22 33.0	17.000 120	3.9 356	37.4 Tri-county Radio Broadcast	24.0	1.9
279A Frankfort	WSTV-FM	LIC KY	CN	0.1 180.1	101.76 BLH19910422KA	38 13 17.0 84 54 52.0	2.500 109	72.4 336	22.7 Southern Belle, Llc	18.5	46.4
277D Somerset	W277AA	LIC KY	DCN	127.7 307.9	34.23 BLFT19931123TF	37 07 03.0 84 36 42.0	0.250 89	1.1 388	11.6 Western Kentucky Universit	23.2	20.3
280A London	WWEL	LIC KY	CX	103.6 284.1	76.41 BLH20090417AJL	37 08 30.0 84 04 45.0	5.400 106	44.0 466	29.2 F.t.g. Broadcasting, Inc.	23.0	36.4
280D Danville	W280FM	CP KY	DC	10.8 190.9	48.45 BNPFT20171207ABN	37 44 03.0 84 48 50.0	0.250 352	12.4	8.4 Hometown Broadcasting Of D	24.5	24.0
278C Knoxville	WIMZ-FM	LIC TN	CY	140.4 321.1	168.06 BMLH19890601KB	36 08 06.0 83 43 29.0	100.000 525	130.5 875	87.4 Midwest Communications, In	27.0	67.3
278C3 Radcliff	WAKY-FM	LIC KY	NCX	312.3 131.9	95.02 BLH20100311ABC	37 52 45.0 85 43 03.0	3.500 239	56.5 415	37.6 W & B Broadcasting Co., In	27.3	41.9
278D Berea	W278CC	LIC KY	DC	69.9 250.3	65.85 BLFT20161108AAK	37 30 28.0 84 12 58.0	0.250 527	26.1	17.3 Kentucky River Broadcastin	27.4	33.4
279A Campton	WCBJ	LIC KY	CN	73.2 254.1	135.92 BLH19990621KE	37 39 03.0 83 26 21.0	4.100 121	90.4 430	32.0 Morgan County Industries,	33.4	70.0
280A Jamestown	WDEB-FM	LIC TN	CX	181.3 1.3	97.95 BLH20101215AIO	36 25 31.0 84 56 32.0	3.400 135	46.5 565	30.6 Raz Broadcasting, Inc.	38.7	48.8

Terrain database is FCC 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

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EXHIBIT B2

N. Lat. = 37° 18' 22.0" - Protected and Interfering Contour Data
W. Lng. = 84° 55' 02.0" - New FM Translator, Liberty, Kentucky

HAAT and Distance to Contour - FCC 30 second terrain database

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	330.0	46.0	0.2500	-6.02	1.000	8.84	29.32	12.42	1.11
010	313.5	62.5	0.2500	-6.02	1.000	10.36	34.91	14.41	1.11
020	305.4	70.6	0.2500	-6.02	1.000	10.93	37.17	15.56	1.11
030	289.8	86.2	0.2500	-6.02	1.000	11.98	41.18	17.56	1.11
040	294.4	81.6	0.2500	-6.02	1.000	11.68	40.06	16.99	1.11
050	270.7	105.3	0.2500	-6.02	1.000	13.20	45.27	19.78	1.11
060	293.5	82.5	0.2500	-6.02	1.000	11.74	40.28	17.10	1.11
070	316.3	59.7	0.2500	-6.02	1.000	10.15	34.08	14.12	1.11
080	314.8	61.2	0.2500	-6.02	1.000	10.27	34.52	14.27	1.11
090	330.3	45.7	0.2500	-6.02	1.000	8.81	29.21	12.37	1.11
100	347.6	28.4	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
110	343.0	33.0	0.2500	-6.02	1.000	7.40	24.82	10.58	1.11
120	341.7	34.3	0.2500	-6.02	1.000	7.53	25.25	10.76	1.11
130	330.0	46.0	0.2500	-6.02	1.000	8.85	29.34	12.42	1.11
140	322.6	53.4	0.2500	-6.02	1.000	9.61	31.95	13.39	1.11
150	314.3	61.7	0.2500	-6.02	1.000	10.30	34.66	14.32	1.11
160	303.4	72.6	0.2500	-6.02	1.000	11.07	37.70	15.82	1.11
170	290.7	85.3	0.2500	-6.02	1.000	11.92	40.95	17.44	1.11
180	284.8	91.2	0.2500	-6.02	1.000	12.30	42.34	18.17	1.11
190	278.1	97.9	0.2500	-6.02	1.000	12.73	43.81	18.96	1.11
200	279.2	96.8	0.2500	-6.02	1.000	12.66	43.57	18.83	1.11
210	259.8	116.2	0.2500	-6.02	1.000	13.85	47.13	20.88	1.11
220	245.9	130.1	0.2500	-6.02	1.000	14.65	49.09	22.11	1.11
230	270.1	105.9	0.2500	-6.02	1.000	13.23	45.38	19.84	1.11
240	287.0	89.0	0.2500	-6.02	1.000	12.17	41.84	17.91	1.11
250	282.3	93.7	0.2500	-6.02	1.000	12.46	42.90	18.47	1.11
260	276.6	99.4	0.2500	-6.02	1.000	12.83	44.11	19.13	1.11
270	277.9	98.1	0.2500	-6.02	1.000	12.74	43.84	18.98	1.11
280	277.3	98.7	0.2500	-6.02	1.000	12.78	43.97	19.05	1.11
290	284.1	91.9	0.2500	-6.02	1.000	12.35	42.49	18.25	1.11
300	295.1	80.9	0.2500	-6.02	1.000	11.63	39.87	16.90	1.11
310	307.2	68.8	0.2500	-6.02	1.000	10.81	36.67	15.32	1.11
320	324.2	51.8	0.2500	-6.02	1.000	9.45	31.39	13.19	1.11
330	305.5	70.5	0.2500	-6.02	1.000	10.93	37.16	15.55	1.11
340	308.6	67.4	0.2500	-6.02	1.000	10.71	36.30	15.14	1.11
350	315.4	60.6	0.2500	-6.02	1.000	10.23	34.36	14.22	1.11

AMSL = 376.0 M