

# MINOR CHANGE APPLICATION

Joy Christian Ministries

FM Translator Station

CH 257 - 99.3 MHZ - 0.25 KW

Valley Head, Alabama

July, 2022

## EXHIBIT B1

### Clearance Study for New Translator Using Proposed Site as Reference

REFERENCE		CH# 257D - 99.3 MHZ, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 402 M							DISPLAY DATES		
34 33 19.7 N.		Average Protected F(50-50)= 7.1 km							DATA 11-15-17		
85 37 12.1 W.		Omni-directional							SEARCH 11-15-17		
CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT (M)	INT(km) COR (M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
257D Valley Head	1762993!	APP	C AL	0.0 0.0	0.00 BNPFT20170727AFO	34 33 19.7 85 37 12.1	0.250	26.3 402	7.8 Augusta Radio Fellowship I	-34.1	-34.1
256C0 Huntsville	WAHR	LIC	CN AL	286.4 105.8	97.07 BLH19891219KC	34 47 53.0 86 38 24.0	100.000 300	105.9 538	73.0 Southern Stone Communicati	-15.9*	13.9
257D Lookout Mountain	W257AZ	LIC	DC TN	26.5 206.6	56.38 BLFT20150427ABH	35 00 33.0 85 20 39.0	0.250 381	25.4 676	7.7 Jackson Telecasters, Inc.	18.4	4.4
257D Gadsden	W257CT	LIC	DC AL	208.4 28.2	74.28 BLFT20120703ABB	33 58 02.0 86 00 12.0	0.250 207	56.2 388	18.1 Gadsden Radio Media, Llc	5.1	14.9
257C1 Cornelia	WCON-FM	LIC	NCX GA	90.6 271.7	177.75 BLH20151210ACQ	34 31 24.0 83 40 46.0	100.000 246	160.9 662	62.7 Habersham Broadcasting Co.	10.0	89.3
258D Rome	W258CH	LIC	C GA	128.2 308.4	51.04 BLFT20140612AAH	34 16 15.0 85 11 00.0	0.210	9.7 259	6.8 Howard C. Toole	34.2	33.8
254D Rome	W254CF	LIC	C GA	128.2 308.4	51.04 BLFT20140319AAK	34 16 15.0 85 11 00.0	0.250 40	1.1 259	7.1 Broadcast Investment Assoc	42.8	42.5
254D Chattanooga	W230CN	CP	DC TN	26.4 206.6	56.35 BPFT20170630AAL	35 00 33.0 85 20 41.0	0.250	0.1 673	3.5 Jackson Telecasters, Inc.	43.6	44.7
255C3 Chatsworth	WNGH-FM	LIC	NCX GA	75.1 255.6	85.59 BLED20170106AAG	34 45 02.0 84 42 52.9	0.420 542	1.4 908	39.4 Georgia Public Telecommuni	77.0	45.0
258C0 Birmingham	WZRR	LIC	NCN AL	223.3 42.7	166.16 BLH19980128KB	33 27 45.0 86 50 59.0	100.000 309	106.1 491	73.2 Radio License Holding Cbc,	45.7	71.3
258D Huntsville	W258AU	LIC	C AL	283.8 103.3	85.90 BLFT20150402AIE	34 44 12.0 86 31 59.0	0.120	30.9 622	20.8 Way Media , Inc.	47.0	54.3
258L1 Dalton	WSEF-LP	LIC	C GA	63.8 244.2	64.17 BLL20150805AAL	34 48 31.0 84 59 21.0	0.100 30			47.2	48.4

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 3<sup>rd</sup> 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.

« = Station meets FCC minimum distance spacing for its class.

Reference station has protected zone issue: AM tower

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## EXHIBIT B2

N. Lat. = 34° 33' 19.7" - Protected and Interfering Contour Data  
W. Lng. = 85° 37' 12.1" - New FM Translator, Valley Head, Alabama

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	364.8	37.2	0.2500	-6.02	1.000	7.85	26.27	11.18	1.11
010	315.0	87.0	0.2500	-6.02	1.000	12.03	41.36	17.65	1.11
020	305.4	96.6	0.2500	-6.02	1.000	12.65	43.53	18.81	1.11
030	464.0	-62.0	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
040	541.2	-139.2	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
050	554.3	-152.3	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
060	554.4	-152.4	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
070	527.8	-125.8	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
080	510.9	-108.9	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
090	498.8	-96.8	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
100	460.3	-58.3	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
110	431.5	-29.5	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
120	414.6	-12.6	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
130	400.6	1.4	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
140	413.5	-11.5	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
150	427.9	-25.9	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
160	435.2	-33.2	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
170	447.0	-45.0	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
180	458.8	-56.8	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
190	466.3	-64.3	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
200	462.6	-60.6	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
210	377.7	24.3	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
220	313.0	89.0	0.2500	-6.02	1.000	12.16	41.83	17.90	1.11
230	284.0	118.0	0.2500	-6.02	1.000	13.95	47.40	21.05	1.11
240	328.1	73.9	0.2500	-6.02	1.000	11.16	38.06	15.99	1.11
250	358.2	43.8	0.2500	-6.02	1.000	8.59	28.55	12.11	1.11
260	362.5	39.5	0.2500	-6.02	1.000	8.11	27.08	11.51	1.11
270	379.7	22.3	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
280	386.9	15.1	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
290	399.1	2.9	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
300	412.4	-10.4	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
310	429.8	-27.8	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
320	442.3	-40.3	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
330	423.6	-21.6	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
340	419.4	-17.4	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11
350	405.9	-3.9	0.2500	-6.02	1.000	7.09	23.76	10.15	1.11

Ave El= 421.60 M HAAT= -19.60 M AMSL= 402.0