



WPBQ Interference Study

Georgia Public Telecommunications Commis

REFERENCE  
30 55 54.40 N.  
81 42 29.30 W.

CH# 212C3 - 90.3 MHz, Pwr= 8.7 kW DA, HAAT= 123.0 M, COR= 127 M  
Average Protected F(50-50)= 33.94 km  
Standard Directional

DISPLAY DATES  
DATA 01-31-23  
SEARCH 01-31-23

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*
212C3 WPBQ Kingsland		APP DCN GA		0.0 93.3	0.00 0000206818	30 55 54.40 81 42 29.30	8.700 123	127	---Reference--- Georgia Public Telecommuni		
212C3 WPBQ Kingsland		CP DCN GA		0.0 93.3	0.00 0000194613	30 55 54.40 81 42 29.30	8.700 123	127	---Reference--- Georgia Public Telecommuni		
211C1 WXVS Waycross		LIC DEN GA		291.6 111.1	88.45 BMLED20080131AJH	31 13 17.80 82 34 23.50	79.000 280	76.5 329	48.3 Georgia Public Telecommuni	1.5	16.5
210C1 WJCT-FM Jacksonville		LIC _CN FL		169.6 349.7	73.54 BMLED20110930ARB	30 16 51.90 81 34 11.30	98.000 251	9.2 256	68.0 wjct, Inc.	30.6	2.2
213C1 WYFB Gainesville		LIC DCN FL		202.0 21.7	127.15 BLED20171018AAU	29 52 12.90 82 12 06.40	97.000 202	91.1 246	61.6 Bible Broadcasting Network	3.3	15.6
214C3 WAYR-FM Brunswick		LIC DCN GA		35.2 215.3	35.75 BLED20031104AAN	31 11 39.80 81 29 29.40	14.000 100	2.1 103	22.5 Good Tidings Trust, Inc	3.7	10.4
215C2 WJKV Jacksonville		LIC _CN FL		169.3 349.3	74.15 BLED20170313ABL	30 16 35.00 81 33 50.70	41.000 166	5.9 170	52.2 Educational Media Foundati	34.4	18.6
213A WTLD Jesup		LIC _CN GA		343.7 163.6	77.10 BLED20020305AAO	31 35 49.70 81 56 13.40	6.000 52	33.1 78	22.5 Resurrection House Ministr	23.9	28.9
212A WHCJ Savannah		LIC DCN GA		26.8 207.1	136.32 BLED19980616KC	32 01 28.80 81 03 22.40	6.000 68	81.7 75	24.2 Savannah State University	25.1	28.5
212A 767785 Live Oak		APP DCN FL		240.2 59.6	136.59 0000167472	30 18 56.00 82 56 36.00	4.500 88	51.6 125	15.4 Learning Avenue, Inc.	57.2	40.8
212C2 WKIH Vidalia		LIC DVN GA		343.6 163.4	181.24 BLED20111011AAA	32 29 41.50 82 15 08.40	50.000 70	112.7 138	36.8 Radio By Grace, Inc.	48.1	88.0

Terrain database is USGS 03 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.  
« = Station meets FCC minimum distance spacing for its class.

WPBQ

01-31-2023

RMS(V)= .726

Graph is Relative Field

Azi	Field	dbk	kw
000	0.342	00.076	1.018
010	0.438	02.225	1.669
020	0.552	04.234	2.651
030	0.675	05.981	3.964
040	0.792	07.370	5.457
050	0.888	08.363	6.860
060	0.947	08.922	7.802
070	0.963	09.068	8.068
080	0.943	08.885	7.736
090	0.918	08.652	7.332
100	0.899	08.470	7.031
110	0.882	08.305	6.768
120	0.891	08.393	6.907
130	0.929	08.756	7.508
140	0.966	09.095	8.118
150	0.990	09.308	8.527
160	1.000	09.395	8.700
170	0.998	09.378	8.665
180	0.990	09.308	8.527
190	0.973	09.157	8.237
200	0.938	08.839	7.655
210	0.876	08.245	6.676
220	0.800	07.457	5.568
230	0.699	06.285	4.251
240	0.585	04.738	2.977
250	0.468	02.800	1.906
260	0.362	00.569	1.140
270	0.275	-01.818	0.658
280	0.214	-03.997	0.398
290	0.178	-05.596	0.276
300	0.165	-06.255	0.237
310	0.160	-06.522	0.223
320	0.165	-06.255	0.237
330	0.183	-05.356	0.291
340	0.216	-03.916	0.406
350	0.268	-02.042	0.625

