



Kessler and Gehman Associates  
Consultants • Broadcast • Wireless

Kessler and Gehman Associates, Inc.  
Consulting Engineers

**NCE-FM Interference Study**

South Carolina Educational Television Co

REFERENCE  
34 16 48.10 N.  
79 44 34.40 W.

CH# 206C3 - 89.1 MHz, Pwr= 6.1 kW DA, HAAT= 206.3 M, COR= 237.7 M  
Average Protected F(50-50)= 39.45 km  
Standard Directional

DISPLAY DATES  
DATA 10-30-21  
SEARCH 10-31-21

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205C1 North Myrtle Beach	WKVC	LIC DCN SC	99.6 280.4	118.50 BLED20141209ABG	34 05 41.60 78 28 26.00	100.000 174	91.0 186	59.0 Educational Media Foundati	0.3	14.4
207C Charleston	WSCI	LIC DCN SC	178.5 358.5	150.74 BMLD20161028AAW	32 55 28.60 79 41 57.30	100.000 418	119.7 419	80.7 South Carolina Educational	0.6	24.6
207C1 Chesterfield	WRFE	LIC DEN SC	331.6 151.4	78.79 BLED20180301AAI	34 54 10.00 80 09 13.60	50.000 189	50.4 303	29.5 Positive Alternative Radio	1.2	0.7
205C1 Rock Hill	WNCS-FM	LIC _CN SC	298.4 117.7	132.33 BMLD20060215AAK	34 50 23.50 81 01 06.30	100.000 183	94.4 359	63.4 South Carolina Educational	3.0	18.4
209C Columbia	WMHK	LIC DCN SC	258.1 77.5	96.08 BLED19940323KA	34 05 49.50 80 45 50.30	100.000 426	12.2 507	84.1 Educational Media Foundati	45.5	8.4
208A Lumberton	WLPS-FM	LIC DVN NC	51.0 231.4	74.60 BLED20060321AFM	34 42 02.60 79 06 31.10	2.000 134	2.2 179	24.9 Billy Ray Locklear Evangel	31.9	45.9
206C1 Aiken	WLJK	LIC _HN SC	243.9 62.7	216.48 BLED19890814KA	33 24 18.50 81 50 14.40	10.000 419	132.4 498	55.4 South Carolina Educational	45.0	60.0
204C3 Raeford	WRAE	LIC DCN NC	38.5 218.9	90.58 BLED20110201ADE	34 54 57.60 79 07 27.10	6.000 144	2.1 207	24.8 American Family Associatio	48.0	61.2
207A Spring Lake	WZRI	LIC DVN NC	35.6 216.0	122.05 BLED20050509ACO	35 10 14.60 78 57 43.10	2.000 55	20.4 116	13.2 Educational Media Foundati	61.7	48.0

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= - Zone 2, 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)  
« = Station meets FCC minimum distance spacing for its class.