

LONG FORM APPLICATION
COMPANION DIGITAL CHANNEL
THOMAS B. DANIELS
WJNI-LP DT LPTV STATION
CH 31 - 572-578 MHZ - 10.0 KW
NORTH CHARLESTON, SOUTH CAROLINA
October 2006

EXHIBIT A1

Outgoing Interference Population Report

WJNI Digital companion (Channel 31) North Charleston, South Carolina
Broadcast Type: Digital Service: G [Simple Emission Mask]
Lat: 32-55-42 N Lng: 080-06-13 W ERP: 10.0 kW AMSL: 88.6 m
TV Outgoing Interference Study
Signal Resolution: 1.0 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 0.1 km
Masked interference points are being counted
as interference free.
Using LPTV/translator D/U rules.
Pop Centroid DB: 1990 US Census

Study Date: 10-10-2006
TV Database Date: 10-10-2006

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 1990 US Census

Stations Considered:

Call Letters	City	State	Dist	Bear
WAGT-D (30)	Augusta	GA	169.8	288.6
W43CK-D.A (30)	Savannah	GA	137.0	224.6
WRDW-D (31)	Augusta	GA	170.9	288.7
WUNU (31Z)	Lumberton	NC	229.3	25.0
WXII-D.C (31)	Winston-salem	NC	383.1	356.4
W31AZ-D.C (31)	Hendersonville	NC	334.9	320.7
WJWJTV (16-)	Beaufort	SC	59.1	246.2
WJWJTV.C (16-)	Beaufort	SC	59.3	246.2
WJWJTV.A (16-)	Beaufort	SC	59.3	246.2
WTATTV (24Z)	Charleston	SC	38.1	88.0
WTATTV.C (24Z)	Charleston	SC	38.1	88.0
WRJATV (27-)	Sumter	SC	106.8	351.7
W47BX.A (29+)	Charleston	SC	16.4	156.7
NEW-D.A (30)	Hilton Head Island	SC	105.9	216.0
NEW-D.A (31)	Myrtle Beach	SC	122.7	52.9
W31BS (31+)	Orangeburg	SC	121.3	321.4
AP377 (32Z)	Myrtle Beach	SC	118.0	54.9
WRLK-D (32)	Columbia	SC	153.0	329.8
WMBFTV.C (32Z)	Myrtle Beach	SC	126.6	49.9
WMBF-D.A (32)	Myrtle Beach	SC	130.6	46.8
W32BJ (32+)	Beaufort, Etc.	SC	83.5	225.7

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EXHIBIT A1 Continued

Outgoing Interference Population Report

Call	Area	HUnits	Contour	Masked	Ix	Unmasked	Ix	%
WAGT-D (30)	0.0	0	1,112,901		0		0	0.0
W43CK-D.A (30)	0.0	0	287,509		0		0	0.0
WRDW-D (31)	0.0	0	1,228,889		0		0	0.0
WUNU (31Z)	0.0	0	855,565		0		0	0.0
WXII-D.C (31)	0.0	0	2,616,454		0		0	0.0
W31AZ-D.C (31)	0.0	0	505,088		0		0	0.0
WJWJTV (16-)	0.0	0	669,196		0		0	0.0
WJWJTV.C (16-)	0.0	0	513,650		0		0	0.0
WJWJTV.A (16-)	0.0	0	668,914		0		0	0.0
WTATTV (24Z)	0.0	0	699,804		0		0	0.0
WTATTV.C (24Z)	0.0	0	667,369		0		0	0.0
WRJATV (27-)	0.0	0	678,263		0		0	0.0
W47BX.A (29+)	0.0	0	281,804		0		0	0.0
NEW-D.A (30)	0.0	0	74,627		0		0	0.0
NEW-D.A (31)	0.0	0	90,342		0		0	0.0
W31BS (31+)	0.0	0	70,798		0		0	0.0
AP377 (32Z)	0.0	0	217,075		0		0	0.0
WRLK-D (32)	0.0	0	845,475		0		0	0.0
WMBFTV.C (32Z)	0.0	0	337,665		0		0	0.0
WMBF-D.A (32)	0.0	0	265,819		0		0	0.0
W32BJ (32+)	0.0	0	32,898		0		0	0.0

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Outgoing Interference Population Report

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Consider NTSC Taboo: Yes
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be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 0.1 km
Masked interference points are being counted
as interference free.
Using LPTV/translator D/U rules.
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 10-10-2006
TV Database Date: 10-10-2006

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Stations Considered:

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WMBF-D.A (32)	Myrtle Beach	SC	130.6	46.8
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WAGT-D (30)	0.0	0	1,271,682		0		0	0.0
W43CK-D.A (30)	0.0	0	344,016		0		0	0.0
WRDW-D (31)	0.0	0	1,394,963		0		0	0.0
WUNU (31Z)	0.0	0	981,699		0		0	0.0
WXII-D.C (31)	0.0	0	3,057,443		0		0	0.0
W31AZ-D.C (31)	0.0	0	586,806		0		0	0.0
WJWJTV (16-)	0.0	0	749,484		0		0	0.0
WJWJTV.C (16-)	0.0	0	599,146		0		0	0.0
WJWJTV.A (16-)	0.0	0	749,030		0		0	0.0
WTATTV (24Z)	0.0	0	773,383		0		0	0.0
WTATTV.C (24Z)	0.0	0	744,671		0		0	0.0
WRJATV (27-)	0.0	0	742,514		0		0	0.0
W47BX.A (29+)	0.0	0	285,727		0		0	0.0
NEW-D.A (30)	0.0	0	105,281		0		0	0.0
NEW-D.A (31)	0.0	0	122,438		0		0	0.0
W31BS (31+)	0.0	0	81,763		0		0	0.0
AP377 (32Z)	0.0	0	282,132		0		0	0.0
WRLK-D (32)	0.0	0	964,831		0		0	0.0
WMBFTV.C (32Z)	0.0	0	416,421		0		0	0.0
WMBF-D.A (32)	0.0	0	334,831		0		0	0.0
W32BJ (32+)	0.0	0	39,184		0		0	0.0