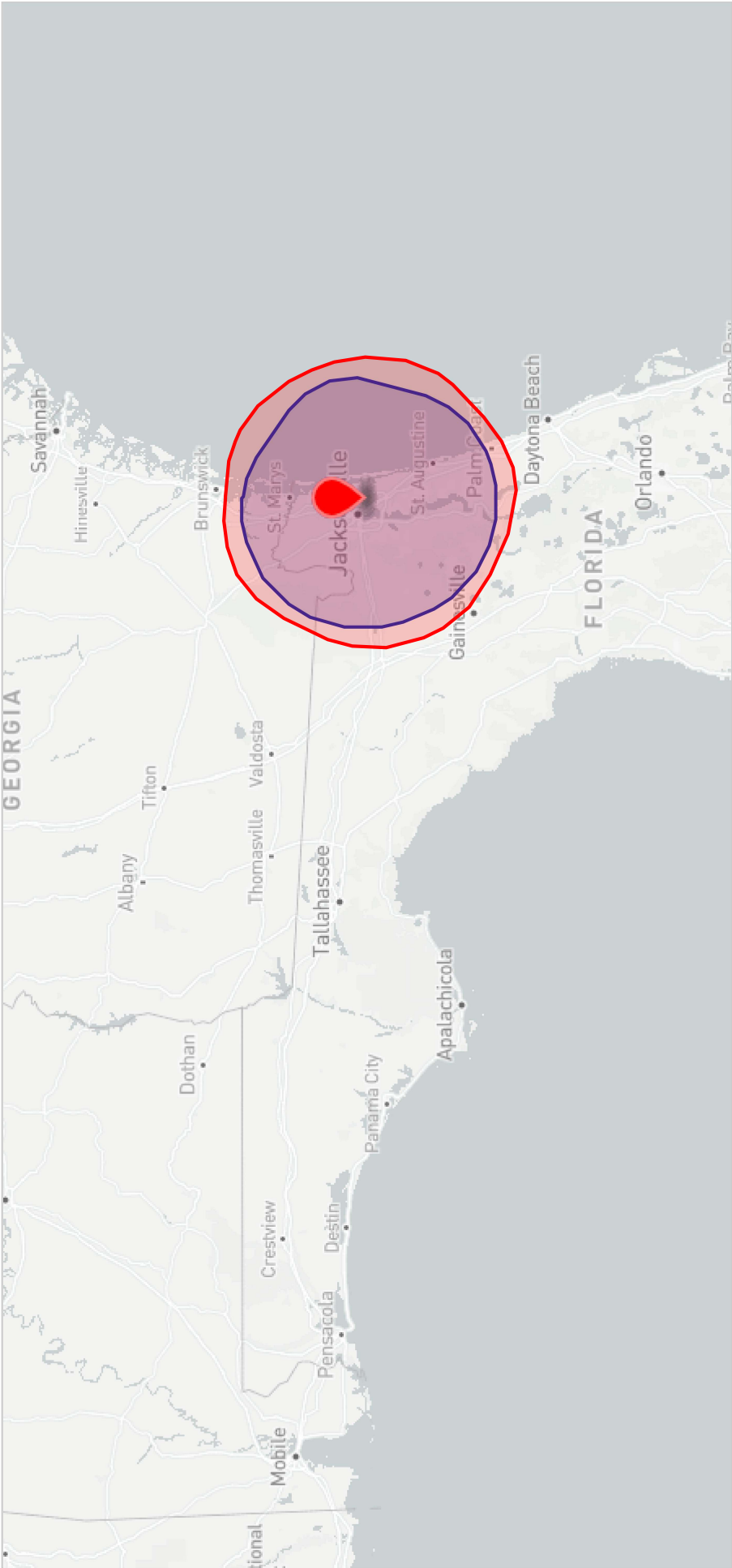


# Engineering Tools

## Overlap Evaluation



### Legend

Subject Station:0000123819

📍 Site ID: 1, 41 dBu F(5090)

Study Station:0000097952

📍 Site ID: 1, 41 dBu F(5090)      Distance from Subject Station:0 (km)

**Subject Station: 0000123819**

Call Sign: WCVJ

Service: Digital TV Auxiliary

Status: Submitted

Authorization Type: CP

Channel: 20

Site 1:

NAD83 Coordinates: 30 16' 25.0" N 81 33' 12.0" W

Antenna Type: Directional Custom

Rotation: 0

Effective ERP: 1000 kW

RCAMSL (Radiation center-above mean sea level):213.3 meters

HAAT (Antenna Height Above Average Terrain.):207.5 meters

RCAGL (Radiation Center-Above Ground Level.):198.1 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.781	609.961	90	0.566	320.356	180	0.96	921.6	270	0.921	848.241
10	0.675	455.625	100	0.463	214.369	190	0.987	974.169	280	0.96	921.6
20	0.546	298.116	110	0.452	204.304	200	0.999	998.001	290	0.99	980.1
30	0.448	200.704	120	0.549	301.401	210	0.99	980.1	300	1.0	1000.0
40	0.46	211.6	130	0.677	458.329	220	0.961	923.521	310	0.989	978.121
50	0.564	318.096	140	0.782	611.524	230	0.922	850.084	320	0.962	925.444
60	0.665	442.225	150	0.851	724.201	240	0.89	792.1	330	0.93	864.9
70	0.706	498.436	160	0.895	801.025	250	0.878	770.884	340	0.896	802.816
80	0.666	443.556	170	0.928	861.184	260	0.89	792.1	350	0.851	724.201

Additional Azimuths

Rad	Field	ERP
35	0.438	191.844
106	0.441	194.481

Study Station 1 : 0000097952

File Information:

Call Sign: WCWJ  
Service: Full Service Television  
Status: Granted  
Authorization Type: License  
Channel: 20

Site 1:

NAD83 Coordinates: 30 16' 25.0" N 81 33' 12.0" W  
Antenna Type: Directional Custom  
Rotation: 0  
Effective ERP: 1000 kW  
  
RCAMSL (Radiation center-above mean sea level):310.0 meters  
HAAT (Antenna Height Above Average Terrain):303.9 meters  
RCAGL (Radiation Center-Above Ground Level):294.8 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.739	546.121	90	0.724	524.176	180	0.97	940.9
10	0.748	559.504	100	0.768	589.824	190	0.876	767.376
						280	0.886	784.996

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
20	0.793	628.849	110	0.803	644.809	200	0.807	651.249	290	0.82	672.4
30	0.803	644.809	120	0.793	628.849	210	0.82	672.4	300	0.807	651.249
40	0.768	589.824	130	0.748	559.504	220	0.886	784.996	310	0.876	767.376
50	0.724	524.176	140	0.739	546.121	230	0.95	902.5	320	0.97	940.9
60	0.698	487.204	150	0.814	662.596	240	0.985	970.225	330	0.998	996.004
70	0.692	478.864	160	0.929	863.041	250	0.995	990.025	340	0.929	863.041
80	0.698	487.204	170	0.998	996.004	260	0.985	970.225	350	0.814	662.596

Additional Azimuths

Rad	Field	ERP
172	1.0	1000.0
328	1.0	1000.0