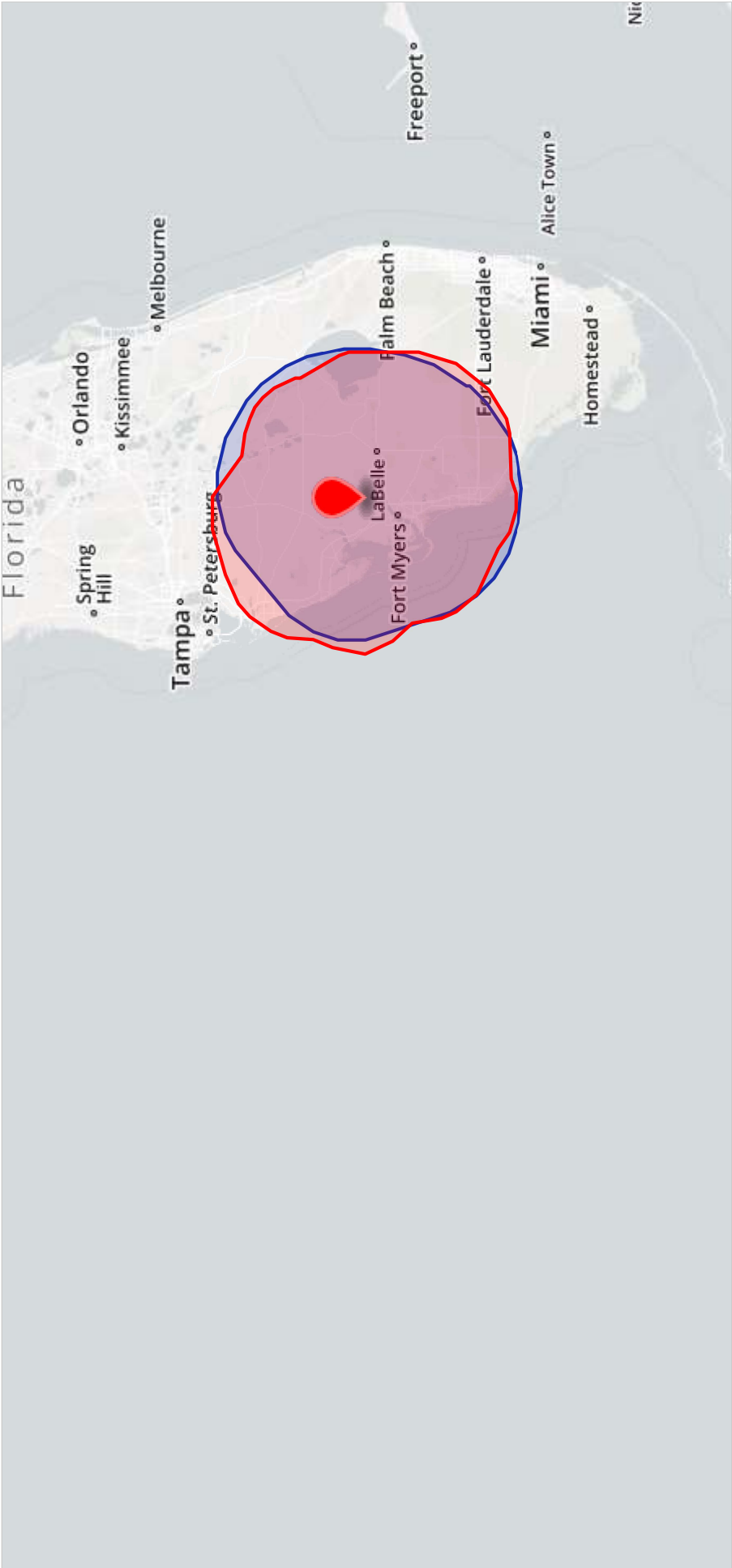


Engineering Tools

Overlap Evaluation



Legend

Subject Station:0000116347

📍 Site ID: 1, 41 dBu F(5090)

Study Station:0000107164

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

Subject Station: 0000116347

Call Sign: WZVN-TV

Service: Digital TV Auxiliary

Status: Pending

Authorization Type: CP

Channel: 28

Site 1:

NAD83 Coordinates: 26 49' 22.4" N 81 45' 53.6" W

Antenna Type: Directional Custom

Rotation: 0

Effective ERP: 620 kW

RCAMSL (Radiation center-above mean sea level):437.9 meters

HAAT (Antenna Height Above Average Terrain):429.3 meters

RCAGL (Radiation Center-Above Ground Level):427.8 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.816	412.83072	90	0.832	429.17888	180	0.956	566.64032	270	0.577	206.41598
10	0.875	474.6875	100	0.801	397.79262	190	0.918	522.48888	280	0.655	265.9955
20	0.918	522.48888	110	0.801	397.79262	200	0.875	474.6875	290	0.656	266.80832
30	0.955	565.4555	120	0.831	428.14782	210	0.816	412.83072	300	0.579	207.84942
40	0.984	600.31872	130	0.882	482.31288	220	0.726	326.78712	310	0.469	136.37582
50	1.0	620.0	140	0.938	545.50328	230	0.603	225.43758	320	0.415	106.7795
60	0.981	596.66382	150	0.98	595.448	240	0.473	138.71198	330	0.475	139.8875
70	0.94	547.832	160	0.996	615.04992	250	0.412	105.24128	340	0.604	226.18592
80	0.884	484.50272	170	0.986	602.76152	260	0.466	134.63672	350	0.727	327.68798

Study Station 1 : 0000107164

File Information:

Call Sign: WZVN-TV
Service: Full Service Television
Status: Granted
Authorization Type: License
Channel: 28

Site 1:

NAD83 Coordinates: 26 49' 22.4" N 81 45' 53.6" W
Antenna Type: Directional Custom
Rotation: 0
Effective ERP: 1000 kW

RCAMSL (Radiation center-above mean sea level):463.2 meters
HAAT (Antenna Height Above Average Terrain):454.5 meters
RCAGL (Radiation Center-Above Ground Level):453.1 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.67	448.9	90	0.573	328.329	180	0.6	360.0
10	0.38	144.4	100	0.606	367.236	190	0.545	297.025
20	0.275	75.625	110	0.755	570.025	200	0.412	169.744
30	0.406	164.836	120	0.886	784.996	210	0.42	176.4
40	0.487	237.169	130	0.936	876.096	220	0.5	250.0
50	0.471	221.841	140	0.936	876.096	230	0.495	245.025
						270	0.7	490.0
						280	0.66	435.6
						290	0.61	372.1
						300	0.841	707.281
						310	0.98	960.4
						320	0.981	962.361

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
60	0.383	146.689	150	0.855	731.025	240	0.383	146.689	330	0.841	707.281
70	0.405	164.025	160	0.607	368.449	250	0.272	73.984	340	0.703	494.209
80	0.53	280.9	170	0.517	267.289	260	0.5	250.0	350	0.745	555.025

Additional Azimuths

Rad	Field	ERP
314	1.0	1000.0