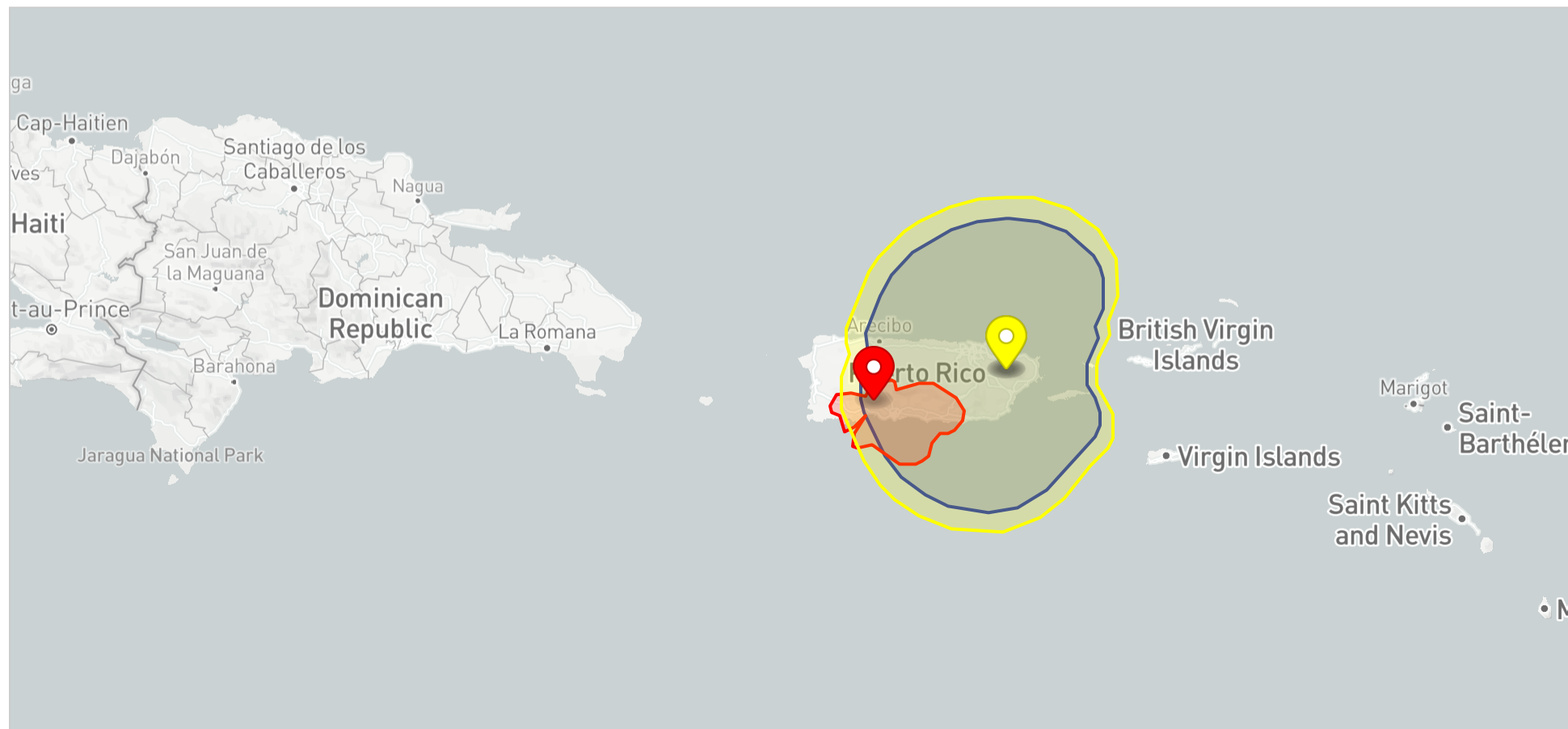


Engineering Tools

Overlap Evaluation



Legend

Subject Station:0000217999

📍 Site ID: 1, 41 dBu F(5090)

📍 Site ID: 2, 41 dBu F(5090)

Study Station:BLCDT-20060621ACJ

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

Subject Station: 0000217999

Call Sign: WJPX
Service: Distributed Transmission System
Status: Pending
Authorization Type: STA
Channel: 21

Site 1:

NAD83 Coordinates: 18 16' 38.0" N 65 51' 13.0" W
Antenna Type: Directional Custom
Rotation: 0
Effective ERP: 200 kW

RCAMSL (Radiation center-above mean sea level):779.7 meters

HAAT (Antenna Height Above Average Terrain.):564 meters

RCAGL (Radiation Center-Above Ground Level.):48.8 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.996	198.4032	90	0.204	8.3232	180	0.663	87.9138	270	0.91	165.62
10	0.997	198.8018	100	0.219	9.5922	190	0.797	127.0418	280	0.902	162.7208
20	0.968	187.4048	110	0.241	11.6162	200	0.901	162.3602	290	0.9	162.0
30	0.901	162.3602	120	0.241	11.6162	210	0.968	187.4048	300	0.9	162.0
40	0.797	127.0418	130	0.219	9.5922	220	0.997	198.8018	310	0.902	162.7208
50	0.663	87.9138	140	0.204	8.3232	230	0.996	198.4032	320	0.91	165.62
60	0.512	52.4288	150	0.251	12.6002	240	0.976	190.5152	330	0.926	171.4952
70	0.365	26.645	160	0.365	26.645	250	0.949	180.1202	340	0.949	180.1202

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
80	0.251	12.6002	170	0.512	52.4288	260	0.926	171.4952	350	0.976	190.5152

Additional Azimuths

Rad	Field	ERP
5	1.0	200.0
225	1.0	200.0

Site 2:

NAD83 Coordinates: 18 4' 41.8" N 66 44' 51.6" W

Antenna Type: Directional Custom

Rotation: 335

Effective ERP: 2.5 kW

RCAMSL (Radiation center-above mean sea level): 674.9 meters

HAAT (Antenna Height Above Average Terrain): 285.3 meters

RCAGL (Radiation Center-Above Ground Level): 55 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.058	0.00841	90	0.258	0.22112	180	0.182	0.07482	270	0.028	0.00228
10	0.046	0.00529	100	0.652	1.16417	190	0.092	0.0194	280	0.05	0.00648
20	0.037	0.00342	110	0.956	2.3271	200	0.053	0.00666	290	0.059	0.00861
30	0.055	0.00915	120	0.956	2.14184	210	0.039	0.004	300	0.056	0.00765
40	0.11	0.03516	130	0.652	0.9382	220	0.049	0.00635	310	0.049	0.00562
50	0.196	0.10527	140	0.258	0.16091	230	0.063	0.00821	320	0.033	0.00269

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
60	0.288	0.21112	150	0.215	0.12645	240	0.006	2.4E-4	330	0.031	0.00267
70	0.314	0.23058	160	0.314	0.24087	250	0.044	0.00462	340	0.048	0.00618
80	0.211	0.11632	170	0.278	0.1801	260	0.034	0.00279	350	0.065	0.01034

Additional Azimuths

Rad	Field	ERP
115	1.0	2.45619

Study Station 1 : BLCDDT-20060621ACJ

File Information:

Call Sign: WJPX
Service: Full Service Television
Status: Granted
Authorization Type: License
Channel: 21

Site 1:

NAD83 Coordinates: 18 16' 38.0" N 65 51' 13.0" W
Antenna Type: Directional Custom
Rotation: 0
Effective ERP: 1000 kW

RCAMSL (Radiation center-above mean sea level.):779.7 meters

HAAT (Antenna Height Above Average Terrain.):564 meters

RCAGL (Radiation Center-Above Ground Level.):48.8 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.996	992.016	90	0.204	41.616	180	0.663	439.569	270	0.91	828.1
10	0.997	994.009	100	0.219	47.961	190	0.797	635.209	280	0.902	813.604
20	0.968	937.024	110	0.241	58.081	200	0.901	811.801	290	0.9	810.0
30	0.901	811.801	120	0.241	58.081	210	0.968	937.024	300	0.9	810.0
40	0.797	635.209	130	0.219	47.961	220	0.997	994.009	310	0.902	813.604
50	0.663	439.569	140	0.204	41.616	230	0.996	992.016	320	0.91	828.1
60	0.512	262.144	150	0.251	63.001	240	0.976	952.576	330	0.926	857.476
70	0.365	133.225	160	0.365	133.225	250	0.949	900.601	340	0.949	900.601
80	0.251	63.001	170	0.512	262.144	260	0.926	857.476	350	0.976	952.576

Additional Azimuths

Rad	Field	ERP
5	1.0	1000.0
225	1.0	1000.0