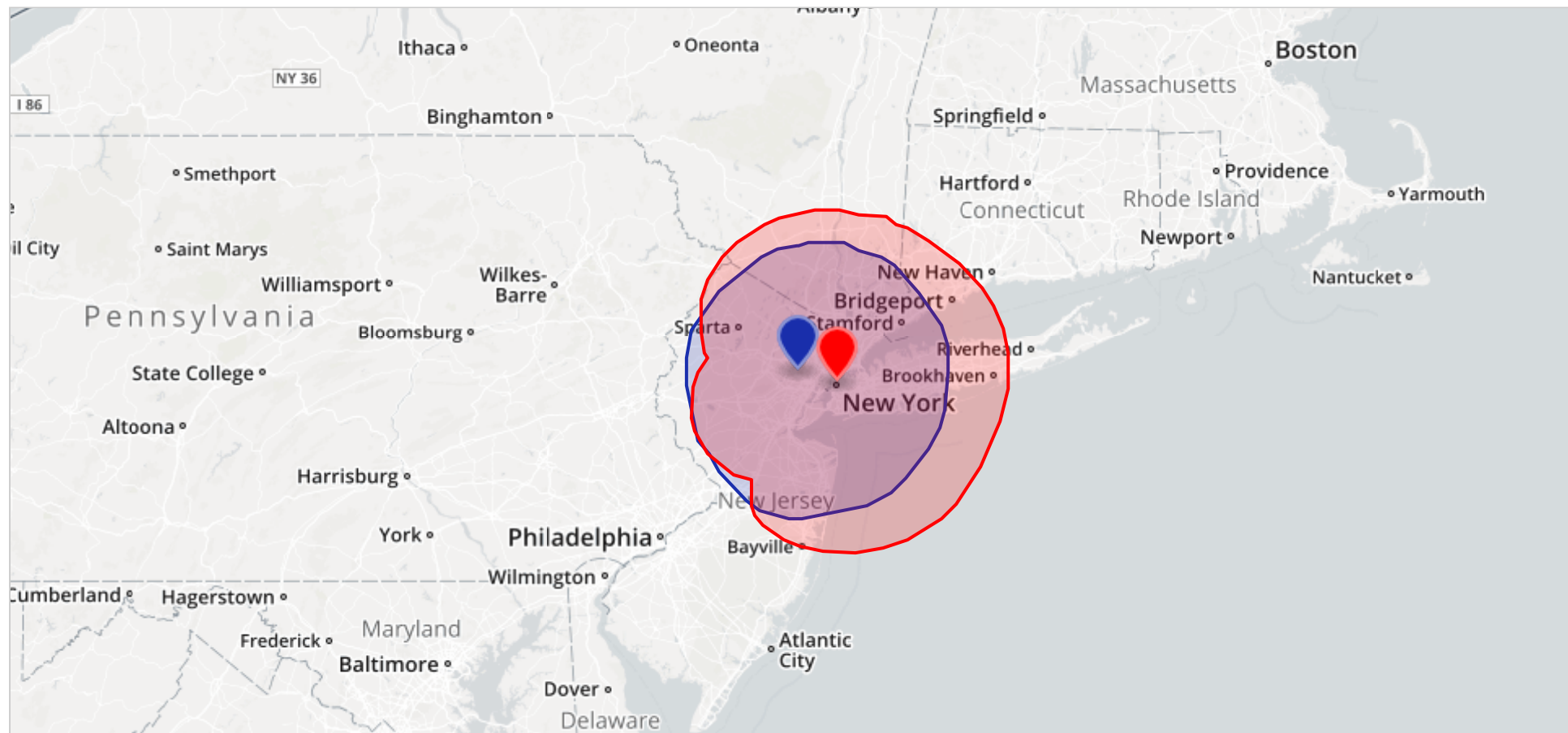


Engineering Tools

Overlap Evaluation



Legend

Subject Station:0000013276

Site ID: 1, 41 dBu F(5090)

Study Station:0000001043

Site ID: 1, 41 dBu F(5090) Distance from Subject Station:22.759 (km)

Subject Station: 0000013276

Call Sign: WNJU
Service: Digital TV Auxiliary
Status: Pending
Authorization Type: License
Channel: 36

Site 1:

NAD83 Coordinates: 40 48' 7.6" N 74 14' 45.5" W
Antenna Type: Directional Custom
Rotation: 0
Effective ERP: 650 kW

RCAMSL (Radiation center-above mean sea level.):288.1 meters

HAAT (Antenna Height Above Average Terrain.):223.4 meters

RCAGL (Radiation Center-Above Ground Level.):98.5 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
0	0.492	157.3416	90	0.873	495.38385	180	0.913	541.81985	270	0.16	16.64
10	0.603	236.34585	100	0.928	559.7696	190	0.903	530.01585	280	0.173	19.45385
20	0.769	384.38465	110	1.0	650.0	200	0.769	384.38465	290	0.189	23.21865
30	0.903	530.01585	120	0.928	559.7696	210	0.603	236.34585	300	0.173	19.45385
40	0.913	541.81985	130	0.873	495.38385	220	0.492	157.3416	310	0.16	16.64
50	0.815	431.74625	140	0.962	601.5386	230	0.392	99.8816	320	0.173	19.45385
60	0.824	441.3344	150	0.962	601.5386	240	0.263	44.95985	330	0.184	22.0064
70	0.962	601.5386	160	0.824	441.3344	250	0.184	22.0064	340	0.263	44.95985
80	0.962	601.5386	170	0.815	431.74625	260	0.173	19.45385	350	0.392	99.8816

Additional Azimuths

Rad	Field	ERP
75	0.987	633.20985
145	0.987	633.20985
272	0.159	16.43265
308	0.159	16.43265

Study Station 1 : 0000001043**File Information:**

Call Sign: WNJU
Service: Full Service Television
Status: Granted
Authorization Type: License
Channel: 36

Site 1:

NAD83 Coordinates: 40 44' 54.0" N 73 59' 9.0" W
Antenna Type: Directional Custom
Rotation: 0.0
Effective ERP: 750.0 kW

RCAMSL (Radiation center-above mean sea level.):361.9 meters

HAAT (Antenna Height Above Average Terrain.):348.0 meters

RCAGL (Radiation Center-Above Ground Level.):346.4 meters

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP	Rad	Field	ERP
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0	0.974	711.507	90	0.936	657.072	180	0.893	598.08675	270	0.294	64.827
10	0.935	655.66875	100	0.864	559.872	190	0.818	501.843	280	0.202	30.603
20	0.872	570.288	110	0.818	501.843	200	0.697	364.35675	290	0.338	85.683
30	0.822	506.763	120	0.829	515.43075	210	0.516	199.692	300	0.557	232.68675
40	0.823	507.99675	130	0.885	587.41875	220	0.165	20.41875	310	0.726	395.307
50	0.878	578.163	140	0.945	669.76875	230	0.258	49.923	320	0.836	524.172
60	0.95	676.875	150	0.977	715.89675	240	0.341	87.21075	330	0.905	614.26875
70	0.996	744.012	160	0.974	711.507	250	0.384	110.592	340	0.951	678.30075
80	0.99	735.075	170	0.943	666.93675	260	0.365	99.91875	350	0.977	715.89675

Additional Azimuths

Rad	Field	ERP
74	1.0	750.0
154	0.98	720.3
252	0.386	111.747
354	0.98	720.3