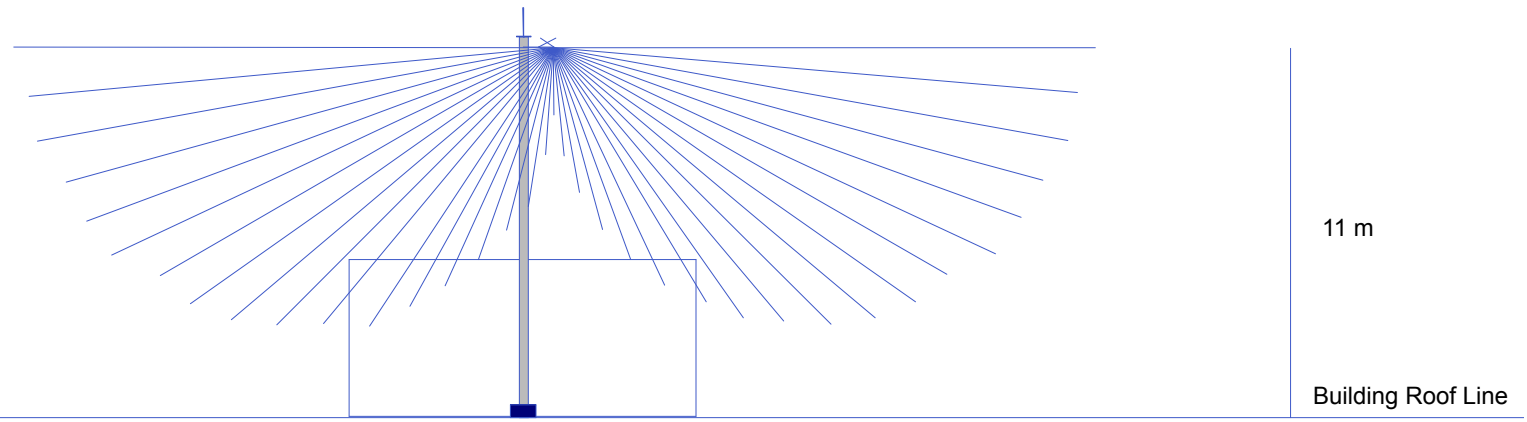


Proposed License Modification Amendment of W276AQ, Fort Lee, NJ
Elevation-Pattern-Based Vertical Plan Exhibit
Scale Drawing Depicting Distance to 127 dBu Contour
ERI LPX-1E-DA Antenna - 35 Watts ERP - 103.1 MHz

Below is a diagram showing an exact scale-model elevation depiction of the rooftop of the proposed antenna location. The antenna elevation above the building roof-line is proposed to be 13 meters. At 35 watts, the maximum distance to contour is 19 meters at 00 degrees. Each radial is plotted in 5 degree increments. The closest point to the roof-line of the 127 dBu contour easily clears the rooftop as shown in the diagram. The existing communications tower is mounted on the side of the elevator mechanical room. The room is an entirely uninhabited mechanical area with elevator, electrical and communications equipment stored inside. The applicant's engineering staff regularly visits the site and has measured and verified that the tower and building distance representations as measured are true and correct. As can be seen in the attached aerial photograph, the only other appurtenances mounted on the roof are HVAC, venting, electrical, mechanical and antenna appurtenances (not shown). There are no adjacent structures within the 19 meters maximum as shown in the attached aerial photograph. The applicant certifies that the proposed interfering contour area will be entirely unpopulated as shown in the drawing below and the attached aerial photograph.

Overall Height of Structure Above
Roof-Line = 14 meters

Proposed COR = 11 Meters Above Roof-Line



Radial Elevation Tabulation of Distance to 127 dBu Contour using ERI LP-1E-DA Elevation Data
Manufacturer's Data Sheet is Attached

Angle (Deg)	Relative Field	ERP (Watts)	127 dBu Contour Distance (Meters)	Angle (Deg)	Relative Field	ERP (Watts)	127 dBu Contour Distance (Meters)
90	0.130	0.592	2.4	40	0.797	22.23	14.8
85	0.206	1.485	3.8	35	0.840	24.70	15.6
80	0.280	2.744	5.2	30	0.862	26.01	16.0
75	0.355	4.411	6.6	25	0.930	30.27	17.2
70	0.424	6.292	7.9	20	0.945	31.26	17.5
65	0.495	8.576	9.2	15	0.962	32.39	17.8
60	0.560	10.98	10.4	10	0.985	33.96	18.4
55	0.625	13.67	11.6	5	0.992	34.44	18.5
50	0.682	16.28	12.6	0	1.000	35.00	19.0
45	0.745	19.43	13.8				