

FM Translator W273CO-CP, Lansing, NY
Proposed Modified Site
Tabulation of Terrain, Antenna HAAT and 60dBu Service Contour

W273CO-PROP FACILITY DATA

Call sign : w273CO
 Coordinates : 42-24-50.0 N, 76-34-15.0 W
 Frequency (MHz): 102.50000
 HAAT (m): -6.61 AMSL (m): 357.00
 Elevation (m): 344.00 Tower AGL (m): 13.00
 ERP (w): 19
 TX power (w): 0 Gain (dB): 0.00
 City/State : LANSING, NY
 ARN :
 Distance (km): 19
 Licensee : ROBERT A LYNCH

Contour type : F(50,50)
 Signal strength : 60.000 dBu
 Area covered : 71.900 sq. km
 Population covered: 14232 persons
 Contour HAAT (m) : -5.7

Brg AT	HAAT	Dist										
0	263	94	6.6	90	320	37	4.1	180	406	-49	3.7	
30	246	111	7.2	120	385	-28	3.7	210	426	-69	3.7	
60	242	115	7.3	150	400	-43	3.7	240	487	-130	3.7	
									270	439	-82	3.7
									300	374	-17	3.7
									330	364	-7	3.7

□

As shown, the highest antenna HAAT at any of the 12 evenly-spaced azimuths from the proposed W273CO modified site is at 60 degrees True, where the antenna HAAT is 115 meters. In accordance with § 74.1235(b)(1) of the Rules, the Maximum Effective Radiated Power (MERP) at this azimuth is 0.019 kW. (19 watts).

As this proposal utilizes a non-directional antenna, the non-directional ERP is limited to 19 watts, the level of ERP specified in this application.

Robert A. Lynch
 FM Translator W273CO-CP
 Lansing, NY
 Ch. 273FT, 19w, -7m AAT
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