

Application to Amend Construction Permit
W295AQ 106.9 mHz. Milford, PA
February, 2006

This technical statement is prepared by Charles Williamson, holder of a Construction Permit to construct a Translator Station at Milford, PA on Channel 295. This amendment serves two purposes: (1) Specify a different location for the Translator Station and (2) specify a directional antenna.

Translator Station W295AQ will be collocated with Translator Station W299BA (Licensed) and diplexed into the existing W299BA antenna system. No changes or additions are being made on the tower structure.

The Translator Station antenna is located at the 41.6 meter level on the tower. This elevation is compliant with 74.1235 pertaining to Power Limitations. Specifically, the Effective Radiated Power (ERP) on each of the 12 radials used in determining Height Above Average Terrain (HAAT) does not exceed the Maximum ERP permitted on each of the radials based on its individual HAAT. The following table details this conclusion.

Bearing	Radial HAAT	Permitted ERP	Actual ERP
0	-195	250	115.3
30	-5	250	78.43
60	-109	250	71.32
90	-80	250	74.83
120	-46	250	100.53
150	-100	250	164.09
180	-177	250	223.34
210	-145	250	246.60
240	32	250	248.59
270	-165	250	232.89
300	-99	250	183.68
330	-122	250	115.30
degrees	meters	watts	watts