

**COMPREHENSIVE TECHNICAL EXHIBIT
APPLICATION FOR LICENSE**

FM Translator Station W235CN

0.250 kW ERP ND / 94.9.1 MHz

Providence, Rhode Island.

Radio Sharon Foundation

November 2017

APPLICATION FOR LICENSE

The following engineering statement and attached exhibits have been prepared for Radio Sharon Foundation, licensee of FM translator station W235CN (formerly W300AC) at Providence, Rhode Island, and is in support of their application for license.

This application is being filed to cover the most recent construction permit for the facility, which is under FCC File No. BPFT-20160627ABL.

This construction permit authorized a relocation of the translator under AM Revitalization from Chatsworth, New Jersey to Providence, Rhode Island.

This construction permit authorized a change in the channel from 300 to 235. W235CN is authorized under the referenced construction permit to operate on FM channel 235 with a maximum effective radiated power of 250 Watts at a center of radiation of 148 meters above mean sea level, 137 meters above ground level utilizing a directional antenna.

The antenna specified and utilized by the facility is a Propagation Systems, Inc. ("PSI") model FML-4A-90WS . The facility was constructed in accordance with the terms of the construction permit.

The construction permit as issued by the Commission lists four (4) special conditions or restrictions. Radio Sharon is in compliance with each of these special conditions. Compliance with each condition will be specifically discussed in this engineering statement.

(1) The first of the special conditions pertains to the authorization for the facility being part of the Commission's AM Revitalization proceedings. This condition advises Radio Sharon that the primary facility associated with the translator may not be changed until four years of operation are:

The Facility ID for W235CN at Providence, Rhode Island is 9183. Achieved. Radio Sharon is cognizant of these and other requirements of this condition, and will abide by the same.

(2) The second condition assigned to the construction permit pertains to the location of the antenna, which is on one of the constituent elements in the WPMZ directional antenna system². Under this condition, Video Mundo, which is the licensee of the AM facility, must address the colocation, and ensure that the W235CN antenna does not adversely affect the directional antenna pattern of the facility. WPMZ is operational at this time under a Special Temporary Authority. The STA, which has been extended, was requested due to substantial issues with the transmitter building.

As a result of these issues, Video Mundo is unable to operate WPMZ at its licensed power level. Although restorative actions have been undertaken at the facility, the reconstruction has not yet been completed. Video Mundo therefore performed a required partial proof of performance at the antenna input power specified under the Special Temporary Authority, and its related extensions. The results of this partial proof are appended to this technical exhibit, and demonstrate that the effect of the addition of the W235CN. Antenna and transmission line is within typical measurement error.

Upon completion of the construction of W235CN, Radio Sharon performed another partial proof of performance. This subsequent proof will ratio the after repair measurements to the latest full proof of performance form 1982, with results being submitted via an application for direct measurement of Power.

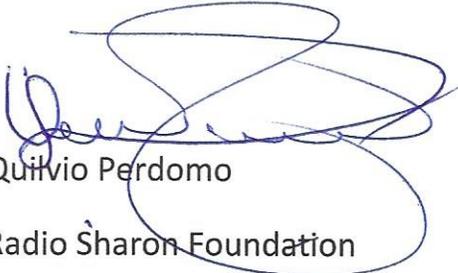
The partial proof of performance submitted here includes measurements performed on five radials. These include the monitored radials, and adjacent radials. The following table provides a summary of the measured ratios between the measurements taken after construction to those taken before construction. The monitor points are within their authorized limits, and remain as such at reduced power per the terms of the Special Temporary Authority.

Azimuth	Radio After/Before	Log Radtio After/Before
6° T	1.0356	1.0336
55° T	1.0174	1.0130
235° T	1.0434	1.0415
284° T	1.0006	0.9970
325° T	0.9932	0.9793

(3) The Third condition pertains to RF safety at the site. Under this condition, Radio Sharon is required to coordinate with other users of the site to ensure that workers and other persons are not exposed to levels of radiofrequency radiation in excess of the applicable safety standards. Coordination activities under this condition will include, but are not necessarily limited to a reduction in transmitter power or cessation of operation.

(4) The four and last condition pertains to this application for license. Under this condition, this application for license must be on file prior to the commencement of program test operations. Radio Sharon Foundation respectfully submits that upon the filing of this license application, it will commence operation of the translator under the provisions of automatic program test authority.

Radio Sharon Foundation, has complied with all requirements with FCC according to the Construction Permit BPFT- 20160627ABL



Quilvio Perdomo
Radio Sharon Foundation

11/23/2017