

TECHNICAL SUMMARY

RADIO STATION WAXA
PINE ISLAND CENTER, FLORIDA
1200 KHZ, 0.75 KW, U, DA-1

1. WAXA is licensed for operation at Pine Island Center, Florida, at a frequency of 1200 kHz with 50 kW during daytime hours and 1 kW during nighttime hours. Different directional antenna patterns are licensed for daytime and nighttime operations.

2. WAXA has operated its nighttime antenna system under Special Temporary Authority (STA) for over two decades in order to help mitigate incoming interference from Cuban stations. In fact, a special three-tower directional antenna system, with a power of 2.2 kW, is authorized to WAXA under STA for operation during nighttime hours. See, for example, FCC File No. BSTA-20170721AAH.

3. It is the intent of the licensee to license its nighttime STA facility at a reduced power of 0.75 kW, for both daytime and nighttime operations (i.e. DA-1). This is the purpose of the instant application. This will eliminate longstanding need for WAXA to regularly file for STA for Cuban interference.

4. The parameters of the 2.2 kW STA antenna system are attached hereto as an exhibit. There will be no change in the parameters of the STA antenna system other than a reduction in nominal power to 0.75 kW, with corresponding changes in operating constants; and a correction of the geographic coordinates of the array to re-center it on Tower #2.

5. It is noted that the STA antenna system was authorized in a methods of moments Proof of Performance in 2012. See FCC File No. BMML-20120410AAE. The proposed WAXA DA-1 facility will be identical in all respects except for the reduction in power (and operating constants) and the correction of the geographic coordinates.

6. For reference, the antenna system parameters from BSTA-20170721AAH are shown as an exhibit herein with markups showing the new proposed DA-1 operation for WAXA as hereby proposed.