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WSPS(FM) – CONCORD, NH APPLICATION FOR CONSTRUCTION PERMIT FOR MINOR MODIFICATION OF LICENSED FACILITY

Exhibit 17 – Engineering Statement on Interference

The application ,of which the Statement is a part, requests a Construction Permit to modify the licensed facilities of WSPS(FM), 213A, Concord, NH (F.C.C. File No. BMLED-19830811AD).

The requested changes are:

1. Correct antenna site coordinates from N43-11-37, W71-34-29 to N43-11-38.0, W71-34-29.6 (All NAD27);
2. Correct antenna site elevation AMSL from 101 meters to 96 meters;
3. Change antenna mounting structure height AGL from 20 meters to 21 meters;
4. Change antenna C/R AGL from 20 meters to 19 meters;
5. Change antenna CR AMSL from 121 meters to 115 meters.

Applicant will also change the mounting structure from a roof-mounted guyed tower to a self supporting pole on the same roof and replace the existing two-bay antenna with a single bay Shively 6812C antenna.

None of the changes have any significant impact on the interference situation. Exhibit 18 contains a map showing the lack of contour overlap with WVNH(FM) 216A, Concord, NH and a *de minimus* overlap of the WSPS(FM) 60 dBu f(50,50) contour with the WYDI(FM), 213A, Derry, NH 40 dBu f(50,10) contour. Slightly more overlap occurs with the licensed WSPS(FM) facility. In reality no such overlap occurs because the WSPS(FM) 60 dBu contour was calculated at the minimum HAAT of 30 meters while the actual HAAT toward WYDI(FM) is between -20 and -51 meters.