

Technical Statement Regarding LMS File No. 0000123132 – AM Condition

The W281BY Construction permit, LMS File No. 0000123132, includes a special condition requiring a study of the potential impact of the installation of the W281BY antenna on nearby AM radio station WDYT. The special condition appears on the construction permit because of distance between the W281BY transmitter site and the licensed WDYT transmitter site.

The FCC rule that governs such situations, 47 CFR 1.30002(b), requires notification before construction, and an analysis of potential impact, when a new antenna is to be installed on a structure within the lesser of 10 wavelengths or 3 kilometers of a directional AM station, the structure height is taller than 36 electrical degrees at the AM station's frequency, and the installation of the new antenna will be a significant modification of the structure. In this case, W281BY antenna will be installed on a 9 meter (30 foot) supporting structure tower that is only 13 electrical degrees at WDYT's frequency (1220 kHz). Therefore, the installation of the W281BY antenna is believed to be exempted from those requirements because installation of the antenna on will not be a significant modification as defined in 47 CFR 1.30002(d). There will be no increase in the height of the tower, it is grounded, rather than insulated, at its base, and it is not detuned.