

Certificate of AM Regulatory Compliance

Site Name US-OR-5082
Location N44-19-18.78 W117-56-20.24
Client Vertical Bridge
Certification Date 6/22/2023

According to the Federal Communications Commission (FCC) Rules and Regulations,

"§1 Subpart AA. Disturbance of AM broadcast station antenna patterns
Part §1.30000 Purpose.

This rule protects the operations of AM broadcast stations from nearby tower construction that may distort the AM antenna patterns. All parties holding or applying for Commission authorizations that propose to construct or make a significant modification to an antenna tower or support structure in the immediate vicinity of an AM antenna, or propose to install an antenna on an AM tower, are responsible for completing the analysis and notice process described in this subpart, and for taking any measures necessary to correct disturbances of the AM radiation pattern, if such disturbances occur as a result of the tower construction or modification or as a result of the installation of an antenna on an AM tower. In the event these processes are not completed before an antenna structure is constructed, any holder of or applicant for a Commission authorization is responsible for completing these processes before locating or proposing to locate an antenna on the structure, as described in this subpart.
Part §1.30002 Tower construction or modification near AM stations.

(a) Construction near a nondirectional AM station. Proponents of construction or significant modification of a tower which is within one wavelength of a nondirectional AM station, and is taller than 60 electrical degrees at the AM frequency, must notify the AM station at least 30 days in advance of the commencement of construction. The proponent shall examine the potential impact of the construction or modification as described in paragraph (c). If the construction or modification would distort the radiation pattern by more than 2 dB, the proponent shall be responsible for the installation and maintenance of any detuning apparatus necessary to restore proper operation of the nondirectional antenna.

(b) Construction near a directional AM station. Proponents of construction or significant modification of a tower which is within the lesser of 10 wavelengths or 3 kilometers of a directional AM station, and is taller than 36 electrical degrees at the AM frequency, must notify the AM station at least 30 days in advance of the commencement of construction. The proponent shall examine the potential impact of the construction or modification as described in paragraph (c). If the construction or modification would result in radiation in excess of the AM station's licensed standard pattern or augmented standard pattern values, the proponent shall be responsible for the installation and maintenance of any detuning apparatus necessary to restore proper operation of the directional antenna."

This certificate verifies that the site at the above coordinates has been screened out to 3.2 km for directional antenna AM stations and 1.2 km distance for non-directional antenna AM stations and found to have no AM broadcast stations currently licensed to operate within those distances. Current FCC rules coordination distances are less as calculated in the above FCC rule §1.30002 adopted February 2014. Structure height is also considered in the current FCC rules. No further AM coordination actions are warranted at this time.



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