

**June 2023
KPSA-FM Channel 253C2
Mescal, Arizona
Waiver of §73.316(b)(1)**

Note: This June 2023 amendment makes no change to the following text from the original August 2022 application.

The proposed KPSA-FM facility is short-spaced to a Mexican allotment on Channel 253B at Agua Prieta, Sonora. In order to provide protection to the Agua Prieta allotment in accordance with the requirements of the US-Mexico FM Agreement, it is necessary to utilize a directional antenna pattern with a maximum-to-minimum ratio of 22.4 dB. The allocation study included in this application demonstrates that this power limitation is more than sufficient to provide the necessary protection to Agua Prieta.

Cochise Media Licenses, LLC (“Cochise”) respectfully requests waiver of the 15 dB maximum-to-minimum ratio in §73.316(b)(1) of the Commission’s Rules, to permit the use of a directional antenna pattern with a maximum-to-minimum ratio of 22.4 dB. This waiver will allow KPSA-FM to provide a first local service to Mescal. The additional suppression will also enable KPSA-FM to minimize undesirable signal reflections from the Dragoon Mountains, which lie to the southwest of the proposed tower site (i.e. in the direction of Agua Prieta).

It should be noted that while the proposed KPSA-FM facility is short-spaced to one domestic facility (KOHT 252A Marana), the proposed directional antenna pattern (and the requested waiver) are not being used to protect that station. The antenna pattern is at its maximum ERP in the direction of KOHT, and KPSA-FM could operate at the full requested ERP in the direction of KOHT without creating any prohibited overlap of the two stations’ 60 dBu protected and 54 dBu interfering contours.

The US-Mexico FM Agreement (see Annex 1, Section 1.4.1) expressly contemplates the use of directional antennas with greater than 15 dB minimum-to-maximum ratio, and the Commission has previously waived §73.316(b)(1) for other stations in the US-Mexico border area, including KFMA

271C1 Oro Valley (18 dB) and KXKR 266C3 Catalina Foothills (19 dB, with previous authorizations having included a 23.5 dB null).