

Custom Antenna Statement for KQHW-LD

This application proposes a “custom antenna” for KQHW-LD.

47 C.F.R. Section 74.735(c)(1) requires that an application proposing the use of a custom directional antenna system must be accompanied by a description of the antenna.

This is a panel antenna. It is designed by the applicant¹. The panel has 8 dipoles and a reflector resulting in 12.5 dbd gain. The dimensions are 23” wide, 64” high, and 5” deep. It is intended for low power operation on UHF Channel 32.

¹ An applicant-designed antenna is also known as an “Oddball” antenna, hence the “ODD” abbreviation listed under the 3-character Manufacturer field in “Section III - Engineering (Digital)”.