Engineering Statement

CBS Broadcasting Inc.

KCBS-TV(Aux) Los Angeles, California Facility ID 9628 Ch. 31 209 kW(Max-DA) 951.8 m

CBS Broadcasting Inc. ("CBS") proposes to utilize the presently licensed KCBS-TV Los Angeles, California main antenna as a post-transition auxiliary antenna. The proposed facility will operate with a directional antenna height of 951.8 meters above average terrain (HAAT) and an effective radiated power (ERP) of 209 kW. This Statement addresses allocations, environmental, and radiofrequency factors related to this proposal.

The attached coverage map Figure 1 demonstrates that the proposed service contour does not extend beyond that of the main KCBS-TV antenna² as required by FCC Rule §73.1675.³ Because there are no AM transmitter sites within 3 kilometers of the proposed facility, FCC Rule §1.30002 will not be triggered. The nearest FCC monitoring station is 511 kilometers from the proposed facility at Livermore, California, well beyond the protection radius specified in §73.1690(c). Thus, it is believed that the proposed facility satisfies all allocation matters.

The proposed facility uses an existing tower⁴ with no change in overall height, marking specifications, or lighting specifications. No outdoor construction is proposed. Consequently, this application is categorically excluded from environmental processing. The existing antenna will operate with an ERP of 209 kilowatts, less than 40 percent of the presently licensed ERP.⁵ The elevation pattern is provided as Figure 2. Since this antenna will only be utilized when the main antenna is inoperative, radiofrequency ("RF") fields from the proposed facility will be less than present values.

¹ §73.1675(c)(1) does not permit converting a formerly licensed main antenna to an auxiliary antenna in cases like this where a change in channel is proposed.

² CBS presently holds a construction permit (FCC file 0000034593) for a KCBS-TV post-transition facility on Channel 31.

³ §73.1675 specifies an analysis of Grade B contours. Because "Grade B" is not defined in a digital television context, Figure 1 provides dipole-corrected 41 dBμ contours instead.

⁴ See Antenna Structure Registration 1007719.

⁵ *See* BLCDT-20090612AIQ.

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CBS participates in a site RF exposure program with other Mount Wilson broadcasters. Following construction of the proposed facility, CBS will conduct measurements or calculations to evaluate the level of RF exposure resulting from this as well as other emitters. Appropriate RF exposure abatement procedures will be established and followed to comply with the FCC's exposure limits to both the general public and workers. Possible measures include restriction of access, power reduction, modification of facilities, or the complete shutdown of facilities when work must be performed in any locations where predicted RF levels may otherwise exceed the appropriate guidelines. Tower access will continue to be controlled and appropriate RF exposure warning signs will continue to be posted.

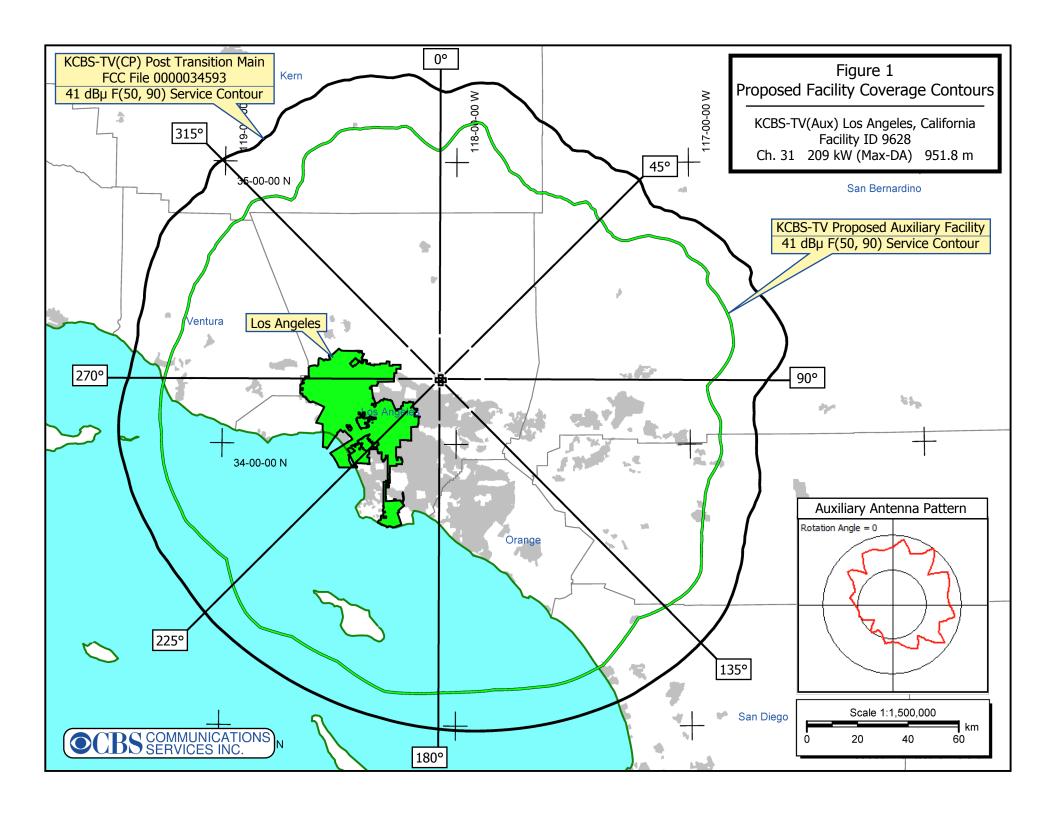


Figure 2 Proposed Antenna Elevation Pattern

KCBS-TV(Aux) Los Angeles, California Facility ID 9628 Ch. 31 209 kW (Max-DA) 951.8 m

<u>Dielectric</u>

ELEVATION PATTERN

Proposal No. C-70058

Date 18-Mar-17

Call Letters KCBS

Channel 31

Frequency 575 MHz

Antenna Type TAD-16UDA-8/64

