This map book contains two map sheets for each of the 117 broadcast AM radio frequencies (540 to 1700 kHz). Depicted on the map sheets are day coverage contours and night radiation patterns for all AM broadcast facilities in the United States, including inset maps for Alaska, Hawaii and Puerto Rico & the Virgin Islands. All facility record types from the Dataworld AM engineering database are shown, including Licenses, Construction Permits, Applications, and records with no authorization indicated.

For the day map sheets, predicted groundwave service and interference contours are shown. Soil conductivities are retrieved from FCC figure M3 (in the U.S.) or the Region II soil database (elsewhere). Groundwave contours are then predicted using the curves in section 73.183 of the FCC rules. A value of 0.5 mV/m is used for most service contours; 0.1 mV/m is used for class I stations. In all cases, the 25 uV/m contour is used for the co-channel interfering contour.

For the night radiation patterns, directional antenna information (where pertinent) is utilized to calculate the FCC standard radiation pattern values. Any available pattern augmentation data is then applied to the pattern. Finally, the pattern is scaled for readability.

Both distance and radiation scales for all maps and inset maps are shown on the legend page immediately following.

All map sheets have the radio quiet zone in Virginia and West Virginia indicated using shading.

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Day AM 1090 kHz

U.S./Mexican Clear Channel

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Day AM 1130 kHz

U.S./Canadian Clear Channel

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45N 40N 30N 20N 10N 0N 10S 20S 30S 40S 50S

Day AM 1600 kHz

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