

WLLD(FM)
IBOC -12 dBc
Eng. Narrative
April 10, 2012

CBS Radio Stations Inc., (CBS), the licensee of station WLLD (facility ID. No. 51987) seeks authority to operate, using the IBOC specification, at a power level of 7.56% (-12 dBc) of its analog effective radiated power of 100 kW.

The station will operate in the extended hybrid mode (MP3) with symmetrical sidebands. The proposed power level was determined using the published NRSC IBOC power calculator.

Dual antenna operation is proposed utilizing an existing licensed auxiliary antenna with file no. BXLH-20050309ABH located on the same tower as the WLLD licensed main antenna. The tower is assigned ASR# 1040061. The coordinates are 27° 40' 22.9"N lat. and 82° 06' 34.7"W long. (NAD27). The center of radiation of the auxiliary antenna is 341.3m HAAT which is 75% of the height of the center of radiation, 455m HAAT, of the main WLLD antenna.

A drawing is attached which illustrates a worst case WLLD 49.5 dBu interference contour (used for -10 dBc IBOC operation) with respect to the 60 dBu service contour of station WZZR, the only first adjacent station in proximity to WLLD.

The digital transmitter power output is calculated to be 2.95 kW after considering all system losses and the difference in gains of the main and auxiliary antennas. No change is proposed in the analog operation.

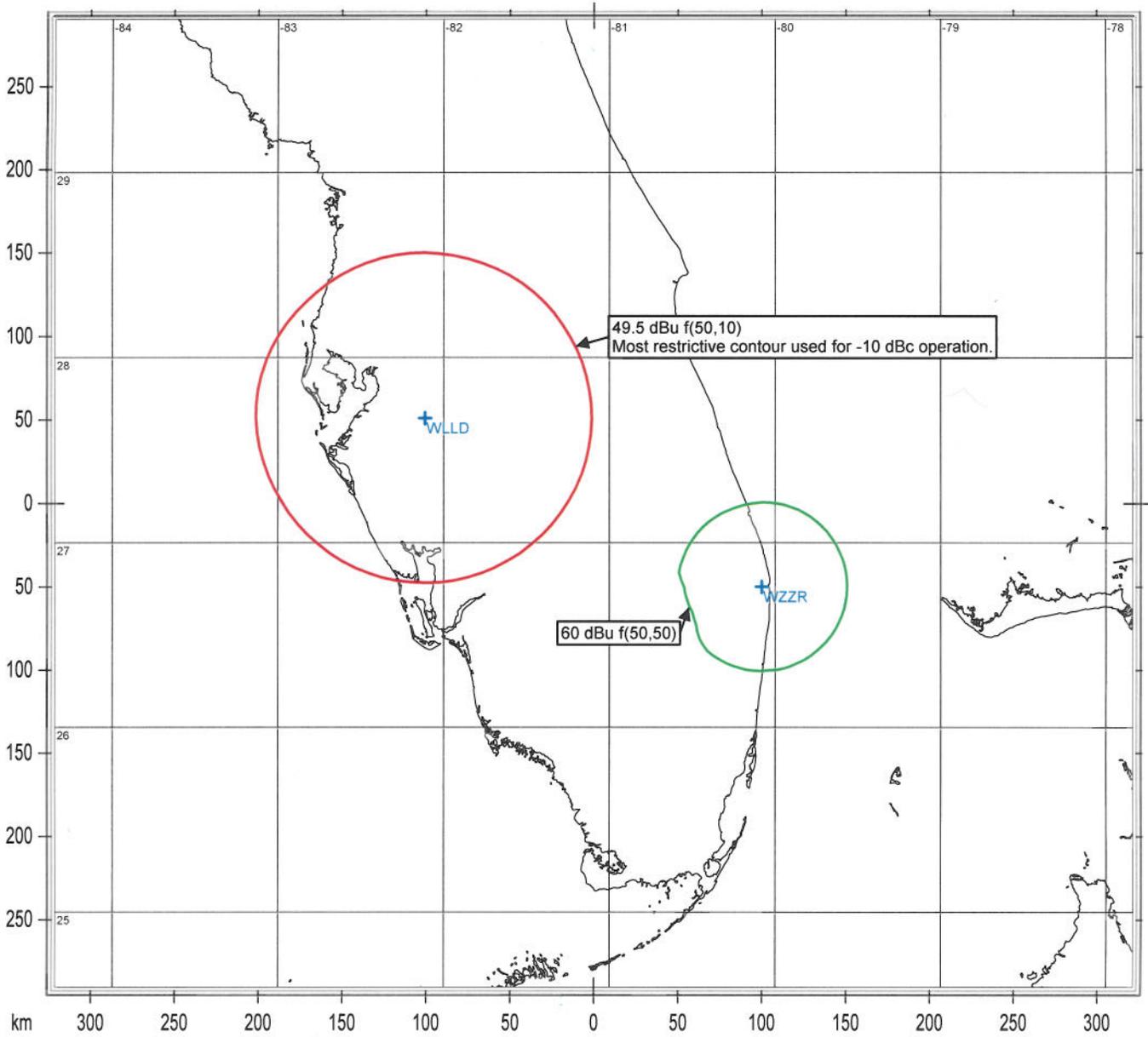
CBS certifies that, with the exception of the digital power level requested, the proposed digital operation will comply with the technical specifications set forth in Appendix B of the First Report and Order in MM Docket No. 99-325.

In the event of interference issues, the following person is responsible for the station's technical operation:

Lou Facinda, Chief Engineer
727-579-1925 office

The proposed transmitting facilities will comply with the FCC guidelines limiting human exposure to radio frequency energy. The maximum power density level at ground level, calculated in accordance with OET Bulletin No. 65 (August 1997), would be less than 5% of the applicable limit for exposures of unlimited duration. Accordingly, the proposed facility is categorically excluded by FCC Rules from having to consider the contributions of other stations at the site. If work is done on the tower in an area where over exposure could occur, the Licensee in coordination with the other users will take necessary action to prevent the overexposure of workers on the tower including reducing the transmitting power or ceasing operation completely.

WLLD and 1st Adjacent Station WZZR



49.5 dBu Interference Contour of WLLD

State Borders Lat/Lon Grid