

Engineering Statement

Applicant Request for authorization to operate with HD -10 dBc IBOC Power Levels

FCC Docket MM 99-325 authorized a general power increase for FM digital operations.

The attached study using the NPR Calculator shows that WSOC-FM is eligible for the increase allowed in the proceeding.

WSOC-FM proposes to operate with the technical parameter specified in Exhibit 1. The station will operate with extended carriers in the Hybrid digital mode.

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.

With respect to the RF environmental issues, CBS certifies that the site will continue to comply with the Commissions rules regarding protection to the general public and workers from exposure to RF levels in excess of the most stringent guidelines set forth in the Commission's rules

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Call Sign	FCC Status	IBOC Candidate Station Channel	IBOC Power Limit (dBc)	
			<i>lower</i>	<i>upper</i>
WSOC-FM <i>not available</i>	LIC	279C	-10	-10

Sideband of WSOC-FM	Protected Station	Status	Class	FCC App ID	Bearing to WSOC-FM from Protected (deg. T)	IBOC WSOC-FM F(50,10) (dBu)	D/U Ratio (dB)	IBOC Power Relative to Protected (dBc)
L	WRCQ DUNN, NC	LIC	C2	BLH- 19900207KB	96.2	45.9	14.1	-10
L	WZSN GREENWOOD, SC	LIC	C3	BLH- 19921130KA	229.1	44.1	15.9	-10
L	WZVA MARION, VA	LIC	A	BLH- 20030930BCX	341.4	40.5	19.5	-10
U	WNNL FUQUAY-VARINA, NC	CP	C3	BPH- 20130109AFD	77.1	46.1	13.9	-10
U	WHXT ORANGEBURG, SC	LIC	C3	BMLH- 20070719ACG	185.6	46	14	-10
U	WOLI-FM EASLEY, SC	LIC	A	BMLH- 19930326KC	255.2	45.1	14.9	-10
U	WXIS ERWIN, TN	LIC	A	BLH- 20101116AJB	303.2	41.8	18.2	-10