

DICK BROADCASTING COMPANY, INC. OF TENNESSEE

JACKSONVILLE, NORTH CAROLINA

RFR CONTRIBUTIONS OF WQSL, WXQR AND WRMR

Dick Broadcasting proposes the installation of a new antenna for WXQR and WQSL on the existing tower that supports the antenna used by WRMR. WXQR and WQSL will use a common antenna by means of a diplexer.

The contribution of each of the three stations to the total power density two meters above ground level was calculated using FCC program FM Model. The program input data and results for each station are as follows:

WQSL

Channel 222C-1

Antenna Type = Opposed V Dipoles

Height (Two meters AGL) = 242 m

ERP = 100,000 watts H & V

Number of elements = 8

Element Spacing = 1 Wavelength

Power Density 2 meters AGL = $11.57 \mu\text{W}/\text{cm}^2$

Percent of Recommended Maximum ($200 \mu\text{W}/\text{cm}^2$ for uncontrolled spaces) = 5.8 percent

WXQR

Channel 288C-2

Antenna Type = Opposed V Dipoles

Height (Two meters AGL) = 242 m

ERP = 19,000 watts H & V\

Number of elements = 8

Element Spacing = 1 Wavelength

Power Density 2 meters AGL = $2.20 \mu\text{W}/\text{cm}^2$

Percent of Recommended Maximum ($200 \mu\text{W}/\text{cm}^2$ for uncontrolled spaces) = 1.1

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RFR CONTRIBUTIONS OF WQSL, WXQR AND WRMR...(continued)

WRMR

Channel 254C-1

Antenna Type = Opposed V Dipoles

Height (Two meters AGL) = 292 m

ERP = 100,000 watts H & V

Number of Elements = 10

Element Spacing = 1 Wavelength

Power Density for WRMR 2 meters AGL = $7.35 \mu\text{W}/\text{cm}^2$

Percent of Recommended Maximum ($200 \mu\text{W}/\text{cm}^2$ for uncontrolled spaces) = 3.7 percent

The sum of all three contributions is 10.6 percent of $200 \mu\text{W}/\text{cm}^2$. (Individual contributions are added in accordance with page 35 of OET-65).