

Transition to Reassignment Channel

Television Station: WTVA(DT) Facility ID 74148 Tupelo, MS
Pre-Auction Channel: 8
Reassignment Channel: 11
Transition Phase Assignment: Phase 10
Phase Testing Period Start Date: 05/02/2020
Phase Completion Date: 07/03/2020

STA purpose: To operate on pre-auction Ch. 8 with an interim antenna prior to transition in order to accommodate tower work, removal of Ch. 8 main antenna, and installation of post-auction Ch. 11 main antenna. Interim antenna operation on Ch. 8 to commence during June, 2020.

STA Channel: 8

STA Site Location: WTVA licensed Ch. 8 site
Antenna Structure Registration # 1040183

STA Antenna System: Side-mount directional (Figure 1)
Horizontal Polarization

STA Power and Height: 19.1 kW effective radiated power
3.5 kW transmitter power output
342.3 meters height above ground level
519.0 meters height above mean sea level
417.0 meters height above average terrain

STA Facility Coverage: Does not extend beyond licensed, provides required principal community coverage (Figure 2)

RF Exposure: The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 0.7 percent of the general population/uncontrolled maximum permitted exposure limit. Calculations conducted pursuant to FCC OET Bulletin Number 65 and incorporate 50 percent relative field at downward angles (from antenna elevation pattern data). This is below the

Special Temporary Authority
Purpose and Technical Information
Mississippi TV License Company, LLC
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five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

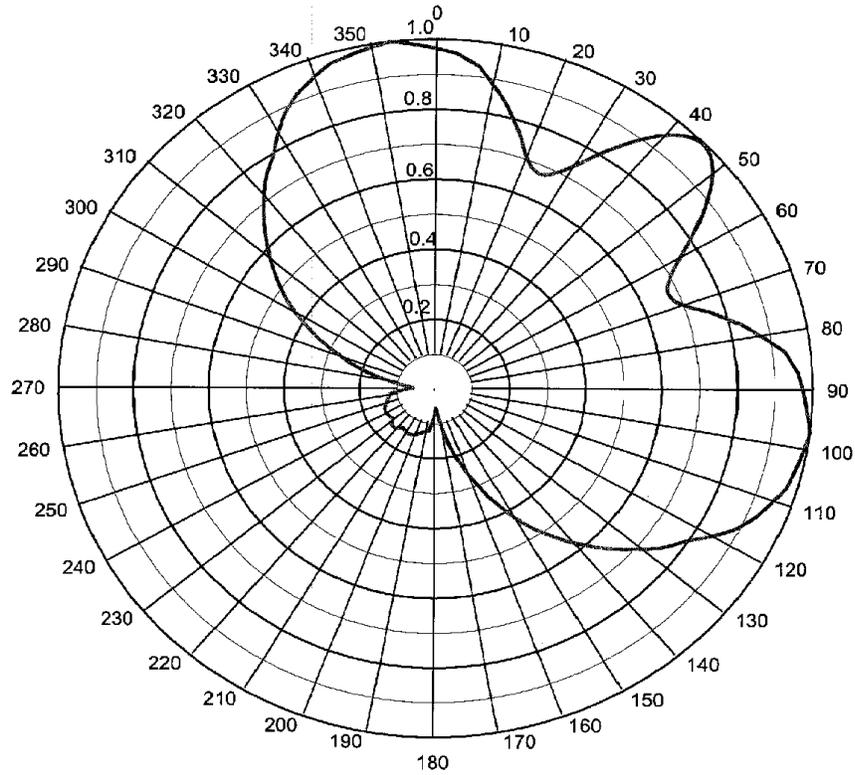
Chesapeake RF Consultants, LLC

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Values in Relative Field

Customer: WTVA-TV

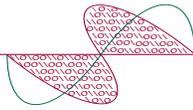
Model: JHD-HV2-2/2 (4)
Description: VHF Panel Antenna
Notes: Horizontal Polarization



Figure 1
Interim Antenna Azimuthal Pattern
WTVA(DT) Tupelo, MS
Facility ID 74148
Ch. 8 19.1 kW 417 m

prepared for
Mississippi TV
License Company, LLC

May, 2020



Chesapeake RF Consultants, LLC
 Radiofrequency Consulting Engineers
 Digital Television and Radio

Figure 2
Proposed Interim Contour
WTVA(DT) Tupelo, MS
Facility ID 74148
Ch. 8 19.1 kW 417 m

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May, 2020

Proposed Interim Ch. 8
 19.1 kW 417 m directional
 43 dBμ
 (Principal Community)
 36 dBμ
 (Noise Limited Service Contour)

Licensed Ch. 8
 BLCDT-20090612AGU
 16 kW 540 m nondirectional
 36 dBμ Contour

