

**Transition to Reassignment Channel**

Television Station: KIMT(DT) Facility ID 66402 Mason City, IA  
Reassignment Ch. 24  
Construction Permit LMS file# 0000027610  
Transition Phase Assignment: Phase 1  
Phase Testing Period Start Date: 09/14/2018  
Phase Completion Date: 11/30/2018  
No Upstream Dependencies within Linked Set

STA purpose: To commence initial operation on reassignment Ch. 24 with an interim antenna in order to accommodate tower work, removal of existing Ch. 42 main antenna, replacement of main transmission line, and installation of post-auction Ch. 24 main antenna.

Approximate commencement date of interim operation on Ch. 24 is October 1, 2018, and is expected to last two to three weeks at which time operation on the new main antenna will commence at full power on Ch. 24.

STA Site Location: KIMT authorized Ch. 24 site

STA Antenna System: Side-mount nondirectional  
Elliptical polarization (30% vertical)

STA Power and Height: 22.3 kW effective radiated power  
2.4 kW transmitter power output (post-filter)  
367 meters height above average terrain

STA Facility Coverage: Does not extend beyond authorized, provides required principal community coverage (Figure 1)

RF Exposure: The calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 0.02 percent of the general population/uncontrolled maximum permitted exposure limit. Calculations conducted pursuant to FCC OET Bulletin Number 65 and incorporate 10 percent relative field at downward angles (from antenna elevation pattern data). This is below the five percent threshold limit described in §1.1307(b) regarding

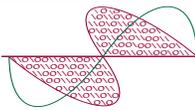
**Special Temporary Authority**  
**Purpose and Technical Information**  
**Rochester TV License Company, LLC**  
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sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

**Chesapeake RF Consultants, LLC**

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

**Figure 1**  
**Proposed Interim Contours**  
**KIMT(DT) Mason City, IA**  
**Facility ID 66402**  
**Ch. 24 22.3 kW 367 m**

prepared for  
**Rochester TV**  
**License Company, LLC**

July, 2018

Proposed Interim Ch. 24  
 22.3 kW 367 m nondirectional  
 48 dBμ (Principal Community)  
 41 dBμ (NLSC)

Ch. 24 Construction Permit  
 LMS File# 0000027610  
 610 kW 466 m nondirectional  
 41 dBμ Contour

