

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

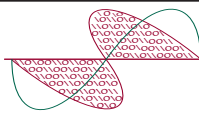
Special Temporary Authority
Purpose and Technical Information
Rochester TV License Company, LLC
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sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's 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 dBu (Principal Community)
41 dBu (NLSC)

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

