

**WAQP-TV, SAGINAW, MICHIGAN**

**REQUEST FOR EXTENSION OF TIME TO COMPLETE TRANSITION**

WAQP-TV, Saginaw, Michigan is a Phase 3 station scheduled to transition on June 21, 2019. TCT was recently notified that its antenna will not be available until August 1, 2019, at the earliest. See the attached letter from Electronics Research, Inc.

**Bill Harland**  
**Vice President of Marketing**

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June 17, 2019

Mr. Mike Daly  
Vice President - Legal and Regulatory Affairs  
[mjd@tct.tv](mailto:mjd@tct.tv)

Mr. Bruce Hart  
Vice President of Engineering  
[brh1@tct.tv](mailto:brh1@tct.tv)  
TCT Network  
PO Box 1010  
Marion, IL 62959

REF: WAQP (DT), FCC Facility ID 67792 ERI Sales Order 36728

Dear Mr. Daly and Mr. Hart:

Electronics Research, Inc. ("ERI") has been diligently working to fulfill the equipment and services included on ERI Sales Order Number 36728, placed on your behalf by DTVPros.

The cardioid azimuth pattern specified by WAQP's FCC Construction Permit, requires a large mast pipe ("outer conductor") in order to achieve the customer requested pattern without external pattern shapers (grids). The larger outer conductor was chosen to avoid external pattern shapers outside of the radome which would create icing and wind load problems. However, the larger outer also resulted in an unwanted mode at the channel frequency (RF Channel 25) which wasn't predicted by design software or the original physical model testing. This mode issue was discovered after the antenna was assembled for tuning.

Additional testing has indicated that sleeving the mast pipe ("outer conductor") to decrease the inside diameter and eliminate the mode conditions. The parts required are currently being made for the inner sleeve and we anticipate returning to final assembly within one week to 10 days. Without any further issues we should have a finished and tested antenna by approximately August 1<sup>st</sup>, 2019.

The Key activity dates for your order are:

Order Received	10/15/2018
Contract Review and Order Release to Engineering	10/31/2018
Model Results Released to Design	1/10/2019
Design Release Components	1/25/2019
Design Release Weldments	2/7/2019
Assembly Start	5/2/2019
Tuning / Test Start (est.)	5/10/2019

Sincerely,

ELECTRONICS RESEARCH, INC.



Bill Harland  
Vice President of Marketing

