

RE: **Request for Program Test Authority for K14RB-D (Facility ID # 9355)**
Channel 14, 15KW; St. Paul, MN
FCC Construction Permit BLDTL-20100521ACA

St. Michael Broadcasting, Inc. ("St. Michael"), requests authority to commence Program Tests for station K14RB-D under Section 73.1620(a) of the Commission's Rules. St. Michael has satisfied the special conditions in the above-referenced Construction Permit by conducting measurement tests for K14RB-D that showed no interference to existing land mobile radio facilities in the 460-470 MHz band. As required, St. Michael is submitting documentation of these test results with this request for Program Test Authority. (See attached K14RB-D Measurement Report.)



OWL ENGINEERING & EMC TEST LABS, INC.

CONSULTING COMMUNICATIONS ENGINEERS • EMC TEST LABORATORIES

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MEASUREMENT REPORT FO K14RB-D

FACILITY ID# 9355

CHANNEL 14 15 KW

ST. PAUL, MN

FCC CONSTRUCTION PERMIT #BLDTL-20100521ACA

AUGUST 2, 2018



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Introduction

On July 31, 2018 measurements were performed on K14RB-D at the antenna location. The transmitter was operated at full-authorized output power and the filters were allowed to reach operating temperature before any test were performed.

All of the measurements were performed using an Anritzu Model# MS2721A Spectrum Analyzer and a calibrated antenna. The frequencies monitored and measured were between 460-480 MHz.

A condition of the construction permit is:

"During equipment tests, authorized by Section 73.1610 of the Commissions Rules, the permittee shall take adequate measures to identify and substantially eliminate objectionable interference which may be caused to existing land mobile radio facilities in the 460 to 470 MHz band. Documentation that objectionable interference will not be caused to existing land mobile radio facilities shall be submitted along with the request for Program Test Authority. Program tests shall not be commenced under Section 73.1620(a) of the Commissions Rules and may only be started after specific authority is granted by the Commission. An application for a license must be filed within 10 days after the start of program tests."

In order to satisfy this condition the frequencies between 460 and 470 MHz were monitored for more than 30-minutes to determine the existing users. The TV transmitter was then activated and no spurious signals were observed being generated that could cause interference to any of the existing land mobile radio facilities. An output of the spectrum monitored is included in this report.

Additional tests were performed approximately ½ kilometer from the antenna site. Again the frequencies were monitored and no spurious signals were found to be generated by the TV facility.

It is my opinion that the K14RB-D facility satisfies the conditions of the construction permit including the special conditions for the protection of existing land mobile radio facilities.

Garrett G. Lysiak, P.E.

August 2, 2018

Spectrum Analyzer Data
TV MEAUREMENT (7/31/2018)

Spectrum Analyzer

